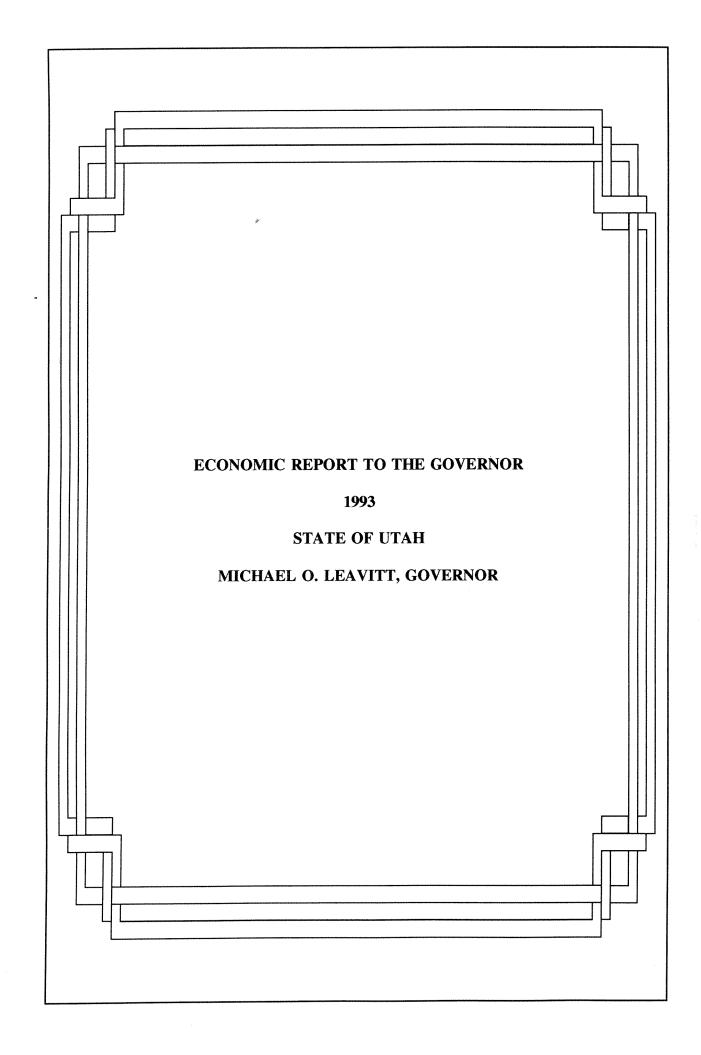
1993

Economic Report To The

Cionein or

STATE OF UTAH MICHAEL O. LEAVITT, GOVERNOR





| • | |
|---|--|
| | |
| | |
| | |
| | |
| | |
| | |

PREFACE

The 1993 Economic Report to the Governor provides the governor, interested public policy makers, researchers, students, businessmen and other readers with the single best reference publication describing Utah's economic performance over the past year and an outlook for the coming year. The Economic Report attempts to capture the most significant economic events and critical trends described in other publications and bring them together into a single document.

This year's edition is the seventh in an annual series. The 1993 report features sections on economic outlook, economic development activities, economic indicators, industry focus and special topics. This year's special topics include an examination of Utah hospital charges compared with other states, an economic and social portrait of Utah from the 1990 Census, an examination of Utah's business and household tax burdens, and an analysis of enrollment in Utah's public and higher education systems.

The State Economic Coordinating Committee, a committee created by Governor Norman Bangerter and consisting of leading economists from state agencies, universities, and the private sector, prepares the Economic Report to the Governor. The mission of the State Economic Coordinating Committee is to improve the economy in Utah by providing economic information and analysis, leadership, and coordination that enhances economic decisions. The committee is comprised of representatives from the following organizations, a large portion of whom contribute to this document (list of contributors, page 13):

Utah Office of Planning and Budget Utah Division of Energy Utah Department of Employment Security Utah Foundation Key Bank Wasatch Front Economic Forum Bureau of Economic and Business Research, University of Utah Economics Department, Utah State University Department of Economics, Weber State University

Utah Department of Community Economic Development Utah State Tax Commission Utah Geological Survey First Security Bank Utah Division of Water Resources Salt Lake County Commission Department of Managerial Economics, Brigham Young University

Because this report is published in January of 1993 and provides an outlook for economic performance for 1993, the Economic Coordinating Committee will present this report to the in-coming Governor, Michael O. Leavitt.

This report includes the most recent data available as of December 11, 1992. Because most of the data for 1992 have not been finalized, preliminary estimates have been made. Revisions will be made in 1993 after all data have been collected and processed. Very little data exists at this point in time for 1992 at the county level. Most county level data is for 1991.



MICHAEL O. LEAVITT GOVERNOR-ELECT OFFICE OF THE GOVERNOR-ELECT SALT LAKE CITY 84114

January 7, 1993

My Fellow Utahns:

I am pleased to present the seventh annual <u>Economic Report to the Governor</u>, which is bigger and better than ever. This report is the result of a cooperative effort of the **Utah Economic Coordinating Committee**, which is comprised of many state, university and private sector entities. This committee was extremely useful to Governor Bangerter and I believe it will be useful to me in looking at future economic and state revenue issues and resources.

The <u>Economic Report to the Governor</u> covers trends in employment, wages, state gross product, demographics, prices, exports, retail sales and tax revenues. It includes a section of many important industries in Utah such as defense, agriculture and tourism. It also contains a "special topics" section which examines four major topics: Health Care Costs in Utah, Socioeconomic Data from the 1990 Census, Household Tax Burden Information and Trends in Public and Higher Education Enrollment.

One of the important things illustrated in this report is Utah's excellent economic performance during 1992. Utah led the nation in employment growth from September 1991 through September 1992. We will begin 1993 with one the strongest economies in the U.S. All Utahns should be proud of these accomplishments. As Governor of the State of Utah, I will do my part in maintaining and improving Utah's strong economy.

As you read this report you will see that Utah's economy is very much influenced by national and international events such as defense spending reductions by the U.S. Congress. Our ever changing national and international economy make the <u>Economic Report to the Governor</u> an important source of information which can help all Utahns make better decisions about the future.

Sincerely,

Michael O. Leavitt

Governor

CONTENTS

| <u>Pag</u> |
|--|
| Tablesv |
| Figures |
| Contributors |
| Executive Summary |
| Economic Outlook |
| National Outlook |
| Economic Development Activities |
| Economic Indicators |
| Labor Market Activity 4 Personal Income 6 Gross State Product 7 Demographics 8 Prices, Inflation, and Cost of Living 9 Export Activity 10 Gross Taxable Sales 10 Tax Collections 11 Regional / National Comparisons 12 |
| Industry Focus |
| Agriculture 13 Construction 14 Defense / Aerospace 15 Energy and Minerals 15 Information Technology 17 Tourism 17 |
| Special Topics |
| Utah Hospital Charges Compared to Other States18The 1990 Census: An Economic and Social Portrait19Business and Household Tax Burden20Public and Higher Education Enrollments21 |
| A |

TABLES

| Executive Summary | Page |
|---|--------------|
| Actual and Estimated Economic Indicators | 1: |
| Titable Lang Town Outlook | |
| Utah's Long Term Outlook 1. Utah Economic and Demographic Projections Summary | 34 |
| Utah Projected Population by Age Group | 30 |
| 3. Utah Employment Projections by Industry | 3' |
| 3. Otali Employment Projections by industry | |
| Labor Market Activity | |
| 4. Utah Labor Force, Employed, and Unemployed Persons by County | 5 |
| 5. Utah Unemployment Rates by County | 5 |
| 6. Utah Labor Force, Jobs and Wages | 5! |
| 7. Utah Nonagricultural Employment by County | 61 |
| 8. Utah's Largest Employers | |
| 9. Utah's Largest Private Sector Employers | |
| 10. Utah's Average Wage by Industry | 0. |
| 11. Utan and U.S. Labor Force Participation Rates 12. Characteristics of Utah Unemployed Persons | |
| 13. Duration of Unemployment in Utah | 6 |
| 14. Reasons for Unemployment in Utah | |
| 14. Reasons for onemployment in ordar | |
| Personal Income | |
| 15. Total Personal Income - Utah and U.S | 7 |
| 16. Components of Utah's Total Personal Income | 72 |
| 17. Total and Per Capita Income by County | |
| 18. Personal Income Trends - Utah and U.S | 14 |
| Gross State Product | |
| 19. Gross State Product by Component | 7 |
| 20. Gross State Product by State | 79 |
| 21. Gross State Product Rankings by State | 80 |
| 22. Gross State Product - Rocky Mountain Region | 8 |
| 23. Utah Gross State Product by Major Industry | 8 |
| 24. Utah Gross State Product Share by Major Industry | 8 |
| 25. Utah Gross State Product by Detailed Industry | 84 |
| Demographics | |
| Demographics 26. Utah Population Estimates, Net Migration, Births and Deaths | Q. |
| 27. Utah Population Estimates by County | 9 |
| 28. Total Fertility Rates - Utah and U.S. | 9 |
| 29. Rankings of States by Selected Age Groups | |
| 30. Dependency Ratios for States | |
| | |
| Prices, Inflation, and Cost of Living 31. U.S. Consumer Price Index | 04 |
| | |
| 32. GDP Implicit Price Deflators | . 100 101 |
| 33. ACCRA Cost of Living Current Comparisons | 10 |
| 34. ACCRA Cost of Living historical for Sait Lake Methopolitan Alea | 10. |
| Export Activity | |
| 35. Utah Exports by Industry | . 10′ |
| 36. Examples of Utah Firms that Export | . 108 |
| Cross Tayabla Sales | |
| Gross Taxable Sales 37. Utah Gross Taxable Sales by Component | . 114 |
| 38. Utah Gross Taxable Sales by County | . 110 |
| 36. Otali Oloss Taxable Sales by County | |
| Tax Collections | |
| 39. Utah General Fund, Uniform School Fund, Transportation Fund, and Mineral Lease Revenues | . 119 |
| 40. Unrestricted Revenues as a Percent of Total Revenues and Personal Income | . 120 |
| | |

TABLES (CONTINUED)

| | | Page |
|-----------|--|------|
| 41. | Utah, US, Mountain Region Demographic and Economic Performance | 127 |
| Agricult | TIPO | |
| | Utah Farm Balance Sheet | 140 |
| | Utah Farm and Non-Farm Earnings | |
| | Utah Cash Receipts by Source | |
| 44. | Otali Casii Receipts by Source | 177 |
| Constru | ction | |
| 45. | Construction Activity in Utah | 148 |
| 46. | Utah Nonresidential Construction by Sector | 149 |
| Defense | / Aerospace | |
| | Federal Defense-Related Spending in Utah | 152 |
| | Department of Defense Contract Awards in Utah | |
| Energy (| and Minarals | |
| | and Minerals Utah Energy Prices | 164 |
| | Oil and Natural Gas Development in Utah | |
| | Supply and Disposition of Crude Oil in Utah | |
| | Supply and Consumption of Petroleum Products in Utah | |
| | Supply and Consumption of Natural Gas in Utah | |
| | Supply and Consumption of Coal in Utah | |
| | Supply and Consumption of Electricity in Utah | |
| | Utah Energy Employment | |
| 30. | Otali Energy Employment | 170 |
| | tion Technology | |
| | Number of Firms, Employment, and Wages in Utah's Information Technology Industry | |
| 58.] | Information Technology Data by County | 175 |
| Tourism | | |
| 59. I | Utah Tourism Profile | 181 |
| 60. T | Utah Tourism Indicators | 182 |
| | Visitation at National Parks and Monuments in Utah | |
| | Utah Gross Taxable Room Rents and Tourism Dependency by County | |
| Litah Ho | ospital Charges Compared to Other States | |
| 63. (| Charge Comparisons | 191 |
| | | |
| | nsus: An Economic and Social Portrait of Utah | 407 |
| | Educational Attainment, Income, Poverty, and Labor Force Participation by State | |
| | Population and Family Households - U.S. and States | |
| 66. | 1989 Households by Income Group - Utah and U.S. | 198 |
| | | |
| | | |
| | Median Household Income, Median Family Income, and Per Capita Income by County | |
| | Per Capita Income and Population by Race and Hispanic Origin | 202 |
| | | |
| | Poverty Rates for All Person - U.S., Utah, MSAs, and Counties | 204 |
| | Educational Attainment and Labor Force Participation - Utah, MSAs, Counties | |
| | | |
| | and Household Tax Burden Business and Household Tax Burdens | 215 |
| 13. | Dustiness and Household Tax Durdens | 113 |
| Public ar | nd Higher Education Enrollment | |
| 76. E | Enrollment in Utah's Education System | |
| 77 T | Itah Births and Enrollment | 220 |

FIGURES

| | Page |
|--|------------|
| Employment Growth by State | 13 |
| Annual Percent Change: Utah Economic Indicators | 14 |
| | |
| National Outlook 1. Gross Domestic Product | 10 |
| 2. Federal Deficit | |
| 3. Gross Federal Debt | |
| 4. Gross Federal Debt as a % of Gross Domestic Product | 22 |
| 5. U.S. Consumer Credit Outstanding | 22 |
| | |
| Utah's Long Term Outlook | 24 |
| 6. Utah Population by Age Group for Selected Years: 1990-2020 | 31 |
| 8. Utah School Age Population: 1990-2020 | <i></i> 31 |
| 9. Utah's Young Adult Population: 1990-2020 | |
| 10. Utah Employment by Industry for Selected Years: 1990-2020 | 34 |
| | |
| Labor Market Activity | |
| 11. Unemployment Rates for Utah: 1987-1992 | 48 |
| 12. Utah Nonagricultural Employment: 1956-1992 | 49 |
| 13. Utah Nonagricultural Employment - Annual Percent Change: 1956-1992 | 49 |
| 14. Percent of Utah Employment in Goods-Producing Industries | 50 |
| 15. Employment by Industry for Utah and the U.S.: 1991 | 5 |
| 16. Utah Nonfarm Average Monthly Wages: 1985-1992 | 5. |
| 17. Utah Average Annual Pay as a Percent of U.S.: 1978-1991 | |
| 19. Labor Force Participation Rate - Males by Age: 1991 | 5. 5. |
| 19. Labor Police Participation Rate - Temates by Age. 1991 | |
| Personal Income | |
| 20. Utah and the U.S. Personal Income Growth Rates: 1970-1992 | 6 |
| 21. Utah's Distribution of Earnings Income by Industry for 1982 and 1992 | 69 |
| 22. Utah Per Capita Personal Income as Percent of U.S.: 1970-1992 | 70 |
| | |
| Gross State Product | |
| 23. Utah Gross State Product: 1977 and 1989, by Industry | 7 |
| Donor and the | |
| Demographics 24. Utah Population: 1952-1992, Annual Percent Change | 8′ |
| 24. Otan Population: 1932-1992, Annual Fercent Change | 8: 8: |
| 26. Total Fertility: 1960-1991 for Utah and the United States | |
| 20. Total Fertility. 1700-1771 for Call and the Cinted States | |
| Prices, Inflation and Cost of Living | |
| 27. Increase in Prices Measured by CPI: 1981-1992 | 97 |
| 28. Cost of Living Comparisons for Selected Metropolitan Areas | 98 |
| | |
| Export Activity | |
| 29. U.S. Merchandise Exports | . 103 |
| 30. U.S. International Transactions Balance on Current Account | |
| 31. Utah Merchandise Exports | . 100 |
| 32. Utah's Top Ten Merchandise Export Industries: 1991 | 100 |
| 55. 1991 Oldin Merchandise Exports by Country of Destination | . 107 |
| Gross Taxable Sales | |
| 34. Change in Gross Taxable Sales: 1979-1992 | . 109 |
| 35. Shares of Utah's Sales Tax Base: 1984 and 1991 | |
| 36. Retail Sales and Business Investment: 1980-1992, 4th Quarter | . 111 |
| 37. U.S. and Utah Consumer Sentiment Indices: 1978-1992 | . 114 |
| 38. Utah Business Executive Confidence Survey | . 114 |

FIGURES (CONTINUED)

| Region | | Page |
|---------|--|----------|
| 39. | Population Growth: 1990 to 1991 | 122 |
| | Per Capita Personal Income as a Percent of U.S.: 1991 | |
| | Personal Income per Household as a Percent of U.S.: 1991 | |
| | Average Annual Pay as a Percent of U.S.: 1991 | |
| 43. | Nonagricultural Employment Growth: Sept. 1991 to Sept. 1992 | 125 |
| Agricu | lture | |
| | Net Farm Income in Utah: 1980-1991 | |
| 45. | Cash Receipts by Commodity Group in Utah: 1980-1990 | 138 |
| 46. | Total Farm Assets in Utah: 1980-1990 | 139 |
| 47. | Farm Earnings as a Percent of Total Earnings by County: 1990 | 140 |
| Constr | | |
| 48. | Utah Residential Construction Activity: 1970-1992 | 145 |
| 49. | Value of New Construction in Utah: 1970-1992 | 147 |
| Energy | and Minerals | |
| | Utah Energy Production by Primary Source | |
| | 1992 Mineral Valuation: Gross Value Estimate | |
| 52. | Value of Nonfuel Minerals: 1981-1991 | 161 |
| | nation Technology | |
| | Nonagricultural Employment by Major Industry | |
| 54. | Information Technology Employment as a % of Nonagricultural Employment | 176 |
| Tourisi | | |
| | Utah Tourism Indicators: Hotel Room Rents | |
| | Utah Tourism Indicators: National Park and Skier Visits | |
| 57. | 1990 Tourism Dependence by County | 180 |
| | Iospital Charges Compared to Other States | |
| 58. | Geographic Distribution of Hospital Charges as a % of Utah Charges | 189 |
| | ensus: An Economic and Social Portrait of Utah | |
| | Educational Attainment by State | |
| | 1989 Households by Income Group: Utah and the U.S. | |
| | Median Household Income in 1989 | |
| 62. | 1989 Poverty Rates for Persons by County | 205 |
| | ss and Household Tax Burden | |
| | Combined Business and Household Initial Tax Burdens | 209 |
| | Business Tax Burdens (Initial Direct Taxes as a % of GSP) | |
| | Business Tax Burdens (As a Share of Unadjusted & Adjusted GSP) | |
| | | 213 |
| 67. | Utah Tax Effort vs. Capacity | 214 |
| | and Higher Education Enrollment | . |
| | | 217 |
| | Enrollment Growth Components: 18-34 Year Olds | |
| /() | Annual Podulation & Enforment Growin: 18-34 Tear Ulds | 219 |

LIST OF CONTRIBUTORS

Utah Office of Planning and Budget

Brad T. Barber, State Planning Coordinator / Chairman, Economic Coordinating Committee

Patricia Bowles, State Data Center Manager

Peter Donner, Economist

Mike Eichner, Research Assistant

Natalie Gochnour, Economist

Julie Johnsson, Research Analyst

Ross Reeve, Research Consultant

Lance Rovig, Economist

Linda M. Smith, Research Analyst

Jeanine Taylor, Economist

Mari Lou Wood, Editor

Utah Department of Employment Security

William R. Horner, Director, Labor Market Information

Lecia Parks Langston, Supervising Economist

Kenneth E. Jensen, Labor Market Economist

Utah Department of Community and Economic Development

Douglass Jex, Research Analyst

Utah State Tax Commission

Roger Tew, Tax Commissioner

Doug Macdonald, Chief Economist

Tom Williams, Senior Economist

Leslee Katayama, Economist

University of Utah, Bureau of Economic and Business Research

R. Thayne Robson, Director

Frank Hachman, Associate Director

Boyd Fjeldsted, Senior Research Economist

Jan Crispin-Little, Research Analyst

Austin Sargent, Research Analyst

Jim Wood, Research Analyst

Utah Division of Energy

Richard Anderson, Director

Jeff Burks, Assistant Director

Rod Millar, Senior Energy Analyst

F.R. Djahanbani, Senior Energy Analyst

Mylitta Barrett, Energy Analyst

Rebecca Wilson, Senior Energy Analyst

Kevin Duffy-Deno, Senior Energy Economist

First Security Bank Corporation

Kelly K. Matthews, Senior Vice President and Economist

Utah Foundation

Michael E. Christensen, Executive Director

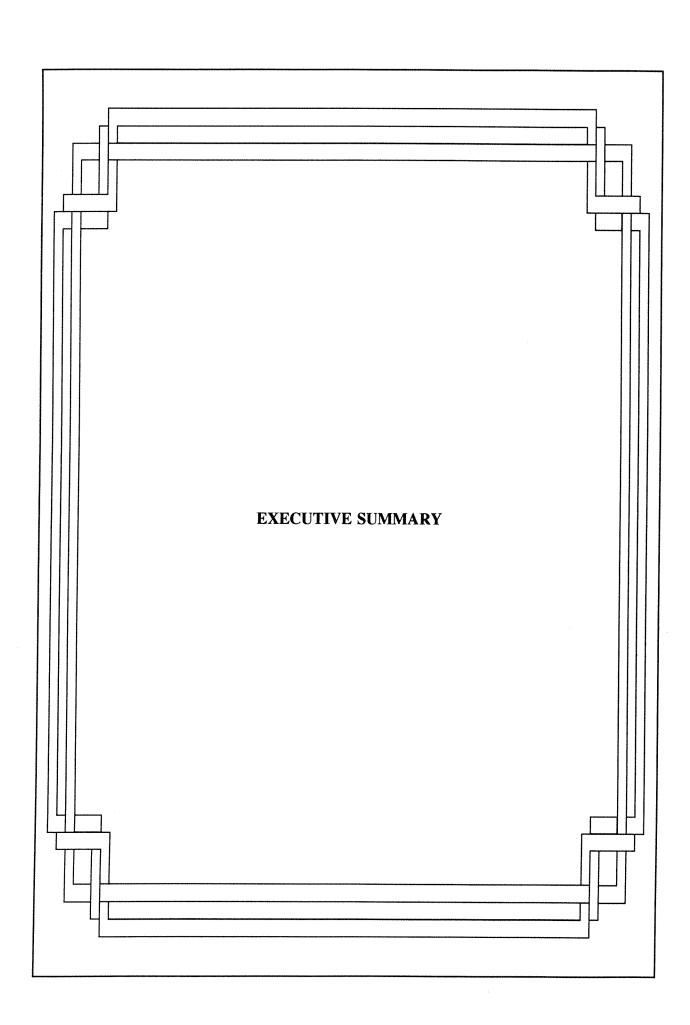
Jim Robson, Research Analyst

Utah State University

Bruce Godfrey, Professor of Economics

Utah Geological Survey

Roger Lee Bon, Geologist



EXECUTIVE SUMMARY

Utah's economy performed very well during 1992 and the State Economic Coordinating Committee projects that 1993 will be another year of solid performance. Utah's economic strength was especially encouraging since the national economy continued to experience sluggish growth.

Utah's favorable economic performance can be attributed to a more productive and diversified economy that emerged from the regional economic downturn in 1986-87. During this period, low natural resource prices hindered economic activity in the intermountain states. Since the downturn, Kennecott Copper and Geneva Steel reopened, oil prices increased, productivity improved, and many new and existing firms in prominent areas such as telecommunications, aerospace, and computer and biomedical technologies expanded. Utah's economic activity has also been enhanced because of the state's pro-business regulatory environment, moderate business taxes, and solid utility, communication, education and transportation infrastructure.

The highlights of Utah's 1992 economic performance include:

- A net increase of 22,000 jobs, the first time in over five decades that the state has experienced five consecutive years of 3 percent or higher job growth.
- An unemployment rate of 4.9 percent, 2.6 points below the nation.
- Total personal income growth of 7.0 percent, 2.4 points higher than the national rate of 4.6 percent.
- An impressive 25.7 percent increase in the total value of permit authorized construction and the creation of 3,100 new construction jobs.
- An increase in the inflation-adjusted average wage for the first time since 1984.
- An estimated net in-migration of 19,000 persons, the fourth largest in the last 40 years.
- A 6.0 percent increase in gross taxable sales.
- An increase of 5.7 percent in overall state tax collections.

According to a number of measures of economic activity, Utah's performance during 1992 ranked among the top two states. Utah ranked first in the rate of job growth from September 1991 to September 1992 and second in the percent increase in personal income from second quarter 1991 to 1992. These and other indicators suggest that Utah enters 1993 with a strong, healthy economy.

Despite many positive economic events during 1992, the national recession impacted the state. Utah's economy depends on exporting goods and services to other states. Utah exports primary metal products, electrical machinery, computer software, electrical power, medical instruments, coal, and other products. Demand for these products is affected by out-of-state economic conditions. As the economies in other states struggle, Utah's economy weakens because of reduced demand for goods and services. The most notable negative economic events during 1992 include:

- Reduced defense-related spending that resulted in a loss in defense-related manufacturing and government jobs.
- A decline in annual personal income growth from a peak of 8.8 percent in the third quarter of 1990 to 7.0 percent currently.
- An increase in the unemployment rate from the 11-year low of 4.0 percent that occurred in April 1991, to the 5 percent range in late 1992.

The 1993 *Economic Report to the Governor* includes descriptions of Utah and the nation's economic outlook, economic development activities in the state, economic indicators, industry focus and special topics. The following is a synopsis of the significant points from each of the chapters.

National Outlook

The U.S. economy struggled during 1992 because of defense spending cutbacks, global competition, burdensome debts, asset deflation, and the credit crunch. As corporations cut wages, laid off workers and reduced costs, the U.S. economy became leaner and more productive. As 1993 begins, the national economy continues to slowly rebound.

The 1993 national outlook is for a year of improved, but moderate economic growth. The national economy should increase around 2.8 percent in 1993 (measured in terms of inflation-adjusted gross domestic product). Low inflation, higher profits and productivity, lower debt service burdens, lean inventories, improved profitability and capital positions of financial intermediaries, and the likelihood of new economic proposals at the federal level, will all contribute to improved national economic conditions.

Many downside factors will hold back the economy including a more cautious Federal Reserve, market fears of excessive new fiscal stimulus and regulations, deeper defense cuts, higher tax rates, and a slowdown in economic growth overseas. Some businesses are also concerned about President-elect Bill Clinton's proposals to mandate family medical and newborn-child leave, worker training, and health benefits. Many entrepreneurs and foreign corporations may also be affected by higher tax rates.

Utah Outlook

The Utah economic outlook in 1993 is for solid, average growth. The Utah economy, when measured in terms of job growth, should grow at about 3.3 percent in 1993. The historic 1950-92 job growth rate in Utah is 3.4 percent. Regional Financial Associates (RFA), a nationally recognized forecasting group, forecasted in October 1992 that Utah would rank third in the nation in the rate of job growth for 1993. RFA also predicted that Utah was the least likely state in the nation to experience a recession in 1993.

Population, employment, wages, and incomes in Utah should all show solid growth through 1993. Population should increase at 2.4 percent; nonagricultural employment, 3.3 percent; the average wage, 3.8 percent; and total nonagricultural wages, 7.2 percent. Personal income is expected to increase by 7.2 percent in 1993.

The construction industry should continue to register the biggest gains in 1993. Anticipated construction growth will be fueled by growth and modernization in other industries, the lack of overbuilding in the 1980s, continued net inmigration, moderate mortgage interest rates, solid job creation, dwelling unit shortages, and numerous projects that have already been announced. Of particular significance is Kennecott Copper's \$880 million smelter and refinery expansion.

Although Utah's outlook is generally positive, Utah remains vulnerable to many outside economic forces. Utah is dependent on international exports and exports to other states for much of its business. International exports alone accounted for \$2.1 billion in sales in 1991. Many prices for Utah commodities, such as oil and copper, are determined in the international marketplace and by the exchange rate value of the dollar.

Federal land administration and defense expenditures which are critical to Utah's economy are determined by national political policies. Roughly 3,000 defense-related jobs were lost in Utah in 1992 and more layoffs are scheduled for 1993. It remains to be seen whether or not these reductions will accelerate or moderate under the new federal administration. Scheduled work force reductions in 1993 in Utah include layoffs at Hill Air Force Base, the Tooele Army Depot, the U.S. Postal Service, and National Semiconductor.

Utah's Long Term Outlook

Utah is projected to have over 1 million more inhabitants in the year 2020 than were counted during the 1990 Census. The projected population of 2,774,000 represents an average annual growth of 1.6 percent from 1990 to 2020. While this rate of growth is significantly lower than Utah's rate of 2.2 percent from 1960 to 1990, it is still double the national growth rate for the same projection period.

During the period 1991 to 2020, a net in-migration of 169,000 persons is expected to occur in the state (i.e., in-migration is expected to exceed out-migration by 169,000). However, out-migration is projected to occur during some years of this period.

Between 1990 and 2020, school age population is projected to grow by almost 150,000 children, an increase of 31 percent. A number of years in the mid- to late-1990s are expected to show an actual decline in the total school age population. This trend could be offset, however, if large levels of in-migration are sustained. After the turn of the century, growth in the school age population is projected to resume, as a new demographic cycle begins with larger age groups of women entering the childbearing years.

The age group of 40-64 year olds is expected to more than double in size in the next 30 years, increasing by over 418,000 persons. This large increase of the older adult population is a result of the aging of baby boomers. The 40-64 age group enjoys significantly higher income levels than the general population, and therefore has a greater amount of disposable income to spend on cars, trucks, upscale housing, etc. The affluence offered by higher income levels has the potential to significantly impact consumer purchases in the state.

Total state employment (including self-employment and agriculture) is projected to increase from over 831,400 jobs in 1991 to 1,343,000 jobs in 2020. This increase of over 511,000 jobs represents an average annual growth rate of 1.67 percent.

Other highlights of Utah's long term outlook include the following:

- Utah is projected to continue to have the youngest population in the nation. Utah's median age in the year 2020 is projected to be 31 years, while the nation's median age is projected to be 41 years.
- Utah's labor force will see periods of rapid increase over the next two decades. Utah will continue to have the youngest labor force in the nation. Nationally, labor shortages are occurring now in many parts of the U.S. and will become more prevalent in the future.
- Large increases in the labor supply will create periods of some out-migration in Utah's future unless job growth is larger than has been historically experienced.

Economic Development Activities

The goal of Utah's economic development activities is to manage the state's economic, cultural, and human resource infrastructure in a manner that will increase household income, facilitate job creation, increase the number of out-of-state visitors, improve productivity, expand the state's tax base, bring greater diversification to the economy, and provide Utah residents with an enhanced quality of life. To accomplish these goals, the Utah Department of Community and Economic Development follows three basic strategies:

- Nurture and assist existing Utah companies.
- Create and develop new enterprises in Utah.
- Recruit business and investment to Utah from outside the state.

Utah's ability to educate its residents, enhance and expand the infrastructure, and meet the economic, social, health, and cultural needs of residents is directly related to the level of the state's business growth. To foster business investment, financing and guidance, the Utah Department of Community and Economic Development has established a number of programs:

Utah Centers of Excellence Small Business Development Centers Deserte Certified Development Company Industrial Assistance Fund Investor's Mentoring Group Utah Technological Finance Corporation Capital Access Program Enterprize Zone Tax Credits

The past year has been highly successful for Utah's international business development. Utah now has five overseas offices in Japan, Korea, Taiwan, Belgium and Mexico. From 1990 to 1991 Utah exports were up 13.4 percent to a new high of \$2.06 billion. Continued strong growth is expected for 1992 increasing exports from 5.6 percent to 6.3 percent of the gross state product.

Labor Market Activity

Utah consistently ranked near the top of the nation in job creation during 1992. From September 1991 to September 1992, Utah led the nation in job growth at 3.0 percent. The state's 1992 unemployment rate remained unchanged from the 1991 figure of 4.9 percent. During 1992 Utah added 22,000 net new nonfarm jobs for a growth rate of 3.0 percent. Job growth rates improved steadily throughout the year. Construction showed the highest growth rate (10 percent) of any major industry for the second year in a row. Services added the highest number of net additions with 8,200.

Mining decreased by 200 jobs and was the only industry to show employment losses. Government expansion remained relatively slow because of defense cutbacks.

Total wages were up over 7 percent, while the average monthly wage expanded 4 percent in 1992. Utah's inflation-adjusted average wage increased for the first time since 1984.

Personal Income

Utah's 1992 total personal income (TPI) is forecast to be \$27.7 billion, up 7.0 percent from the 1991 total. The state's 7.0 percent growth rate is 2.4 points higher than the national average and reflects a modest increase over 1991's growth of 6.7 percent. Utah's 1992 per capita personal income (PCI) is estimated at \$15,221. This figure represents a 4.4 percent increase from 1991.

Utah's estimated 1992 per capita personal income of \$15,221 was only 77 percent of the national PCI and ranked 48th among the 50 states. Because Utah's population has a large number of children, PCI comparisons portray Utah as a low-income state. However, adult per capita income based on 1990 Census adult population figures improves Utah's picture considerably: Utah's per capita income by this measure is 88 percent of the national figure. Similarly, Utah also compares more favorably to the rest of the U.S. when using household income data. Total personal income per household in 1991 in Utah was \$46,900, which is 89 percent of the nation's \$51,600 and ranks 28th in the nation.

Eleven of Utah's counties posted double-digit growth in total personal income from 1990-91. In two counties TPI declined from 1990-91. In two other counties TPI was virtually unchanged over the same period.

Gross State Product

In 1989 (the most recent year available) Utah's GSP measured \$28.1 billion. This is approximately 1/2 of 1 percent of total U.S. gross domestic product. Utah's total output in 1989 ranked 35th in the nation, the same ranking as Utah's population.

Utah's GSP growth rate was above the U.S. average between 1977 and 1989, ranking 17th among the 50 states. The state's average annual rate of growth over this time period was 8.9 percent, while the national average was 8.4 percent. In the Rocky Mountain Region, Utah's 8.9 percent rate of growth exceeded Colorado's 8.6 percent, Idaho's 7.4 percent, Montana's 6.2 percent, and Wyoming's 6.0 percent.

Demographics

Between July 1, 1991 and July 1, 1992, Utah's population grew by approximately 45,000 people — from 1,775,000 to 1,820,000. The 1992 growth rate of 2.5 percent is the second fastest rate since 1982.

For the second year in a row, Utah experienced annual net in-migration of approximately 19,000 persons. The years 1992 and 1991 are the only two years of net in-migration since 1983. This net in-migration is primarily a result of the strong economy in Utah and weak, declining economies in many other parts of the country, especially California.

There were population increases in almost every county in Utah, although the growth was not quite as extensive as in 1991. Salt Lake County experienced the largest net in-migration with almost 7,600 persons. Four counties — Davis, Washington, Weber and Utah — also experienced net in-migration of at least 1,000 persons. Fifteen of Utah's 29 counties experienced net in-migration in 1992, compared to 20 in 1991.

Washington County led the state in population growth in 1992 with a 6.1 percent increase. Summit County was the second fastest with 5.0 percent, followed by Iron (4.0 percent) Sanpete (3.8 percent), and Morgan (3.3 percent). Fifteen of Utah's counties experienced growth of 2 percent or more, compared to 18 in 1991, and only five counties showed growth in 1990.

Prices, Inflation and Cost of Living

The pace of inflation decelerated significantly throughout 1992. The 1992 annual average increase in the Consumer Price Index for Urban Consumers is estimated at 3.0 percent. The Gross Domestic Product implicit price deflator will finish 1992 with an estimated 2.6 percent annual increase.

The cost of living in Salt Lake City, Cedar City and Provo-Orem continue to be below the national average. As of second quarter 1992, Salt Lake City's composite index measured 96.9, 3.1 percent below the national average. For the same quarter, Cedar City posted a composite index of 91.4 and Provo-Orem 96.5. Of the four areas in Utah surveyed, St. George, with a second quarter index of 100.8, was the only area with a composite index that was higher than the nation.

Export Activity

In 1991 (the most recent data available), Utah's merchandise exports totaled over \$2.06 billion. In just four years Utah's merchandise exports have more than doubled, rising from \$943.32 million in 1988 to \$2.06 billion in 1991. This rate of increase is illustrative of the increased volume and importance of export activity globally.

Utah's largest merchandise export industries in 1991 were primary metal products, followed by electrical machinery, metallic ores, industrial machinery, transportation equipment, and scientific instruments. The largest share of Utah's merchandise exports flow to the United Kingdom, where an estimated \$366 million worth of exports arrived in 1991. Canada is Utah's second largest trading partner, followed by Japan, Thailand, Hong Kong and Germany.

Gross Taxable Sales

Gross taxable sales and purchases have expanded for 17 quarters in a row. In 1992 gross taxable sales increased by an estimated 6.0 percent. Estimates of the 1992 percent changes in the components of gross taxable sales are: retail trade, 8.6 percent; taxable services, 7.1 percent; business investment purchases, -1.7 percent; and all other, 15.0 percent.

Utah's consumer sentiment index has exceeded the nation's for the past nine quarters. The state's 1992 index is estimated at 80.2, 5.2 points higher than the national index of 75.0.

Tax Collections

Overall tax collections in fiscal year 1992 increased 5.7 percent. In fiscal year 1992, the state's General Fund, Uniform School Fund, Transportation Fund and Mineral Lease payments equaled a total of \$2.07 billion in 1992. Of this amount, the General Fund makes up 45 percent; Uniform School Fund, 43 percent; Transportation Fund, 10 percent; and Mineral Lease payments, 1 percent.

As a percent of total revenues the General Fund, Transportation Fund and Mineral Lease payments have declined as a percent of total revenues and of personal income. Uniform School Fund revenues have increased as a percent of total revenues and of personal income.

Regional / National Comparisons

An examination of basic demographic and economic statistics demonstrates the relatively favorable economic conditions among most mountain states compared to the national economy.

Utah experienced an estimated 2.5 percent gain in population in 1992. While estimates for the rest of the region are not available for 1992, it appears that favorable economic conditions in the mountain west will continue to attract in-migrants to the area.

From 1990 to 1991, income grew by 5.5 percent in the mountain states compared to 3.5 percent in the U.S. Personal income grew by 5.9 percent in the mountain states and by 4.7 percent in the U.S. from the second quarter of 1991 to the second quarter of 1992. During this same time, personal income grew 8.4 percent in Montana, 7.2 percent in Utah, and 6.8 percent in Nevada. These increases were the largest of all 50 states.

Six of the eight mountain states experienced a decrease in per capita personal income relative to the U.S. average from 1986 to 1991. In contrast, Idaho and Montana were respectively 78 percent and 81 percent of the U.S. average in 1986, both increasing to 80 and 82 percent respectively in 1991.

In 1991, Utah's per household income, at \$46,900, was third out of the eight mountain states, and was 91 percent of the national figure of \$51,600. Total personal income per household in the mountain region, at \$46,000, was 89 percent of the U.S. average.

From September 1991 to September 1992 (the latest information available for all states), Utah ranked first in percent growth in nonagricultural jobs. The latest data indicate that unemployment in the mountain region is about one point below the national rate. This relatively favorable unemployment situation for the mountain states is indicative of the economic strength this region has maintained during the current national difficulties.

Agriculture

Utah has never been a leading agricultural producing state, but Utah is, however, a leading state in the production of mink pelts and sour cherries. Utah's dairymen also milk relatively productive herds — ranking 10th in the nation in milk production per cow. Utah's fledgling aquaculture has become important nationally — the state ranked 10th in the commercial production of trout in 1991.

The early 1980s was a period of financial crisis for agriculture in the U.S. and Utah was affected by this national trend. Net farm income in Utah decreased from \$71.4 billion in 1980 to \$36.8 billion in 1983, but increased rapidly after 1985. Much of this gain in income was due to the favorable prices received for livestock and the receipts obtained by livestock producers. The rapid increase in cattle and calf receipts has made livestock production a more dominant part of Utah agriculture than it has been in the past.

Perhaps the biggest change that occurred in agriculture during the 1980s in Utah and the nation was the rapid decline in asset values, particularly real estate. The value of assets declined from about \$7.6 billion in 1981 to just over \$5 billion in 1989.

Personal farm income was \$292.9 million in 1990 which is more than three times the decade low of \$87.2 million that occurred in 1984. Farming has not been a major direct source of personal income in Utah for several decades. However, considerable variation by county is evident.

The leading agricultural producing counties are (in order): Cache, Sanpete, Box Elder, Millard, Davis, and Duchesne. There are, however, large differences not only in the total amount of production by county, but by the products produced.

Farm earnings are relatively important in some counties, but not for the entire state. The most farm dependent counties in Utah are Rich, Piute, Beaver and Wayne.

Construction

Residential construction activity grew impressively in 1992. Single-family home construction continued to be the mainstay of residential construction growth while multifamily construction, after five years of negligible growth began to rebound. A total of 12,450 units are estimated to be authorized in 1992 an increase of 31.9 percent over 1991 figures. The dollar value of residential construction expanded 32.7 percent to \$1.05 billion, the first time residential construction values have exceeded a \$1 billion in a single year.

Multifamily construction, which plummeted in prior years when vacancy rates were high and credit was tight, is poised to expand in 1993. Economic growth has increased demand for multifamily structures and the low vacancy rates in metropolitan Utah will spur increased development in 1993.

Nonresidential construction activity increased in 1992, at a rate lower than residential construction. The value of nonresidential construction increased 10.9 percent to \$380.0 million. The \$42.0 million industrial plant in Iron County and the \$20.0 million Latter-day Saint (LDS) temple in Davis County were major factors in the rise in nonresidential activity. The outlook for 1993 is brighter because of the Kennecott Smelter project and an improved climate for the construction of industrial and retail buildings as the economy expands. Nonresidential construction values are projected to be \$430.0 million in 1993.

Additions, alterations and repairs increased 23.0 percent to \$230.0 million in 1992. Continued economic growth, strong demand for housing and low interest rates have spurred renovations for both residential and nonresidential structures. This trend should continue in 1993 with additions, alterations and repairs increasing to a projected \$240 million.

The value of total permit authorized construction increased 25.7 percent from \$1.32 billion in 1991 to \$1.66 billion in 1992. With increased construction activity forecast for residential, nonresidential and additions, alterations and repairs, the value of total construction is expected to rise to \$1.97 billion in 1993.

Defense / Aerospace

In 1991, defense-related spending in Utah totaled \$1.85 billion, a drop of more than \$39 million from the \$1.89 billion reported in 1990. Federal defense spending in Utah has not been as low since 1988 when total expenditures topped \$1.79 billion. Nearly all of the decline is the result of a drop in Prime Contract Awards (PCAs) from \$881.9 million in 1990 to \$802.1 million in 1991, the lowest level since 1985.

In 1990, defense-related jobs accounted for 9 to 10 percent of all civilian employment. In contrast, by the end of 1991, spending cuts pushed defense-related employment (direct and indirect jobs attributed to this industry) to between 70,470 and 73,100, or roughly 8 to 9 percent of all civilian employment in the state. Given the continuing budget cutting trend, forecasts for 1992 indicate the loss of approximately 3,200 jobs.

Federal defense operations are primarily concentrated in four military bases, including Hill Air Force Base, Tooele Army Depot, Dugway Proving Grounds, and Ogden Defense Depot. By the end of 1991, civilian employment at military bases in Utah was 25,254, a reduction of 6.5 percent from the previous year. Although none of Utah's military bases has been slated for closure, much uncertainty still exists as to future defense spending levels, and further consolidations are anticipated.

Defense spending is concentrated in a few counties: Box Elder, Davis, Salt Lake, Tooele and Weber. This level of concentration has remained constant over the past five years with the exception of a substantial increase in expenditures in Tooele County which was the result of several large construction projects at Tooele Army Depot and Dugway Proving Grounds.

Energy and Minerals

In 1992, Utah's primary energy sectors will produce an estimated 800 trillion BTUs of primary energy. This energy will be consumed in Utah, shipped to other states and exported to overseas markets. Coal accounts for 62 percent of Utah's primary energy production, followed by natural gas, 21 percent; crude oil, 16 percent; and electricity generated from non-fossil fuel resources such as hydro and geothermal, 1 percent.

The value of primary energy production in Utah at the point of extraction is estimated to be \$1.19 billion in 1992. This represents a 6 percent decline from 1991.

Employment in the energy producing sectors of oil, natural gas, coal and uranium has fallen precipitously since 1981. From a high of 11,898 jobs in 1981, employment has fallen 40 percent over the past 11 years. In 1992 employment directly attributed to energy production was 4,708 jobs, less than 1 percent of total nonagricultural jobs in the state.

Despite significant annual increases in coal production since 1983, employment in Utah's coal industry continues to decline. The installation of longwall mining equipment in Utah's coal mines has improved productivity and results in fewer coal miners producing larger amounts of coal.

The value of Utah's mineral production in 1992 is estimated at \$1.9 billion, the same level as 1991. Production levels for coal and precious metals showed a slight decline, while production of industrial minerals and base metals showed an improvement. Commodity prices for base metals, precious metals and coal showed a decline over 1991 price levels, while prices for industrial minerals, especially magnesium, showed an improvement.

In 1991 Utah ranked eighth in the nation in value of nonfuel mineral production. The state ranked first in the production of beryllium, second in the production of potash and magnesium, and third in the production of copper and gold. It ranked fourth in overall metal production and accounted for almost 10 percent of the value of all domestic metal production.

Copper production from Kennecott's Bingham Canyon mine increased in 1992 to nearly 600 million pounds and accounted for over half of the value of all metals produced from Utah's mines. Kennecott has completed a \$227 million expansion program involving construction of a fourth grinding and flotation circuit. This expansion increased milling capacity to 142,000 tons per day and increased copper and by-product capacity by 15 percent.

In 1991 Geneva Steel produced 875,000 tons of iron ore from its operations west of Cedar City. All of the product was shipped to the Geneva plant near Orem. Less ore will be shipped in 1992 due to lower steel production at the plant.

Information Technology

Utah's information technology industry — defined as industries which produce or provide computer-related or telecommunications-related products or services — comprised an estimated 29,589 jobs during the second quarter of 1992. This total represents 4 percent of total nonagricultural jobs in Utah. Because these jobs generally pay a higher wage than the average wage, total wages in Utah's information technology industry during second quarter 1992 comprised 6 percent of total wages and amounted to nearly \$257 million.

Information technology jobs can be found in 24 of Utah's 29 counties. As a percent of non-agricultural payroll wages, information technology is most important in Utah County (16.1 percent), Salt Lake County (7.1 percent), Weber County (3.5 percent) and Summit (3.1 percent). Average wages earned by information technology workers are 67 percent higher than the state average.

Tourism

Tourism continues to play a vital role in the Utah economy. An estimated 14 million visitors traveled to Utah during 1991, spending approximately \$2.9 billion (no data are available yet for 1992). In 1991, an estimated 61,200 jobs, or 8.2 percent of the total jobs in the state, were tourism-related. Winter visitors spent an estimated \$152 per person per day and summer visitors spent an estimated \$27 per person per day during 1991. These expenditures generated \$214 million in revenues for state and local governments.

From 1981 to 1991, hotel room rents more than doubled and in inflation adjusted dollars increased at an annual average rate of 5.8 percent. This rate compares to annual growth in the overall economy of 2.8 percent (measured as the inflation-adjusted annual average growth in total personal income). Over this same period, national park visits grew at an annual average pace of 6.5 percent; Salt Lake International Airport passengers, 11.9 percent; skier visits, 4.8 percent; and tourism-related employment, 3.9 percent.

The counties of Garfield, Summit and Grand are the most tourism-dependent counties in the state by a wide margin. In all three of these counties, 1991 hotel room rents as a percent of total personal income exceeded 10 percent.

The future for tourism in Utah is positive. Many factors are expected to contribute to tourism growth in the future including the aging population, rising real disposable incomes, large increases in foreign travelers, favorable media coverage, and growth of the LDS Church (Mormon).

Utah Hospital Charges Compared to Other States

The nation continues to be challenged by the critical problem of escalating health care costs. One way of examining this issue on a state level is to compare Utah's hospital charges with other states. Medicare discharge data for 1989 provide a reasonable database for making these comparisons.

Utah ranks very low — 44th among the 50 states and the District of Columbia — in the average level of Medicare hospital charges. Even more striking are the differences in average level of Medicare hospital charges between Utah and many of the eastern or more southern states. As cases in point, average Medicare hospital charges in Michigan, Illinois, and California were respectively 142.5 percent, 143.5 percent and 172.1 percent of the average Utah Medicare hospital charge.

Seven states have lower average charges than Utah, as measured by the Utah mix of cases. Of these seven states, Iowa, Washington, and Wisconsin have larger populations and more Medicare enrollees than Utah. California and Pennsylvania, having average charges 70 percent higher than Utah's, make a large contribution to the fact that the nation's Hospital Charge Index is nearly 30 percent higher than Utah's.

The geographic placement of the states with low charges is also striking. With the exception of Maryland, the other ten of the 11 lowest charge states constitute a geographic band from the Great Lakes to the Pacific. Average hospital charges increase as one moves east or south. It is additionally of consequence for the average U.S. hospital charge that the population of the United States is more densely concentrated in the higher charge areas. The ten states in the low charge band hold less than 9 percent of the U.S. population and account in total for only 7 percent of the U.S. Medicare enrollment.

The 1990 Census: An Economic and Social Portrait of Utah

No other source provides the broad variety of data, from the block to the national level, than the U.S. Decennial Census does. The income, labor force, poverty, educational attainment and other statistics provide an economic and social portrait of Utah.

Per capita income ranks relatively low in Utah (46th), due to the highest number of persons per household (3.15) in the nation. Utah's median household and median family income rankings are more favorable (21st and 26th respectively). In 1989, median family income in Utah was \$33,246, meaning that one-half of the families earned less than \$33,246 while the other half earned more. Median household income was \$29,470.

Utah's distribution of income is not strikingly different from the nation's. Utah has a lower percentage of households that received income of less than \$10,000 and also a lower percentage of households earning more than \$50,000 than the U.S. Utah has fewer very poor, fewer very rich and a larger concentration of households in the middle-income ranges than the U.S.

In Utah, 88.5 percent of all persons live in family households, which is the nation's highest percentage. The state is also first for children (under the age of 18) who live in married-couple families. Conversely, 12.5 percent of Utah's children live in households with no spouse present, placing it 51st in the nation.

Poverty exists in every county in Utah, in both cities and in rural areas. In 1989, 192,415 Utahns were below the poverty threshold which was 11.4 percent of total persons. The U.S. rate was 13.1 percent. Between 1979 and 1989, the number of persons in poverty increased by 30.0 percent in Utah while the U.S. rate increased by 15.9 percent.

Summit County's income was the highest of any county in Utah in 1989 in terms of median household income (\$36,756), median family income (\$40,162) and per capita income (\$16,739). Summit County also had the highest percentage of high-school graduates (91.6) and labor force participation (70.5 percent) and the second-lowest rate of poverty (7.2 percent). Home to the Utah portion of the Navajo Reservation, San Juan County's income was the lowest of any Utah county in 1989 in terms of median household income (\$17,289), median family income (\$19,183) and per capita income (\$5,907). San Juan County also had the lowest percentage of high-school graduates (59.7), its poverty rate for all persons was the highest in the state (36.4 percent) and labor force participation rate (57.3 percent) ranked 25th. San Juan County has the highest number of children as a percentage of its population (43.3) of any county in the United States.

Business and Household Tax Burdens

Utah ranked third among comparable states in the west for the combined business and household tax burdens at 9.5 percent of gross state product. Utah's household tax burden ranked highest among comparable western states during fiscal year 1991, but by less than 1/10 of 1 percent. Utah's business tax burden remains competitive among the seven western states compared at 3.4 percent of gross state product and a rank of fourth.

Utah's tax effort and capacity is very close to the average of the seven western states. There is a distinct difference, however, in who pays the tax. Utah household taxes were about \$83 million higher than the average, while Utah businesses paid about \$81 million less than the seven western states' average.

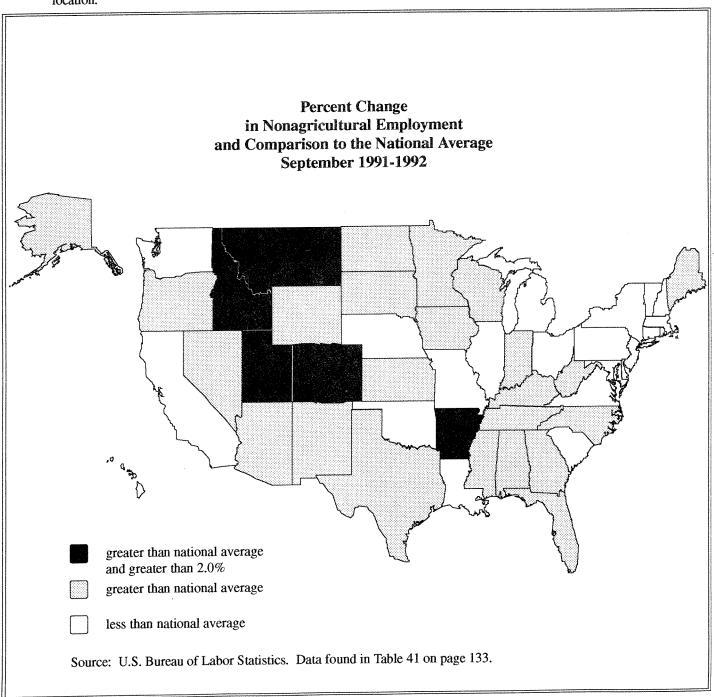
Public and Higher Education Enrollment

Meeting the needs of a growing enrollment in Utah's education system is one of the state's most pressing challenges. Public education enrollment has experienced strong growth in the last decade, growing by almost 92,000 students, a 25 percent increase.

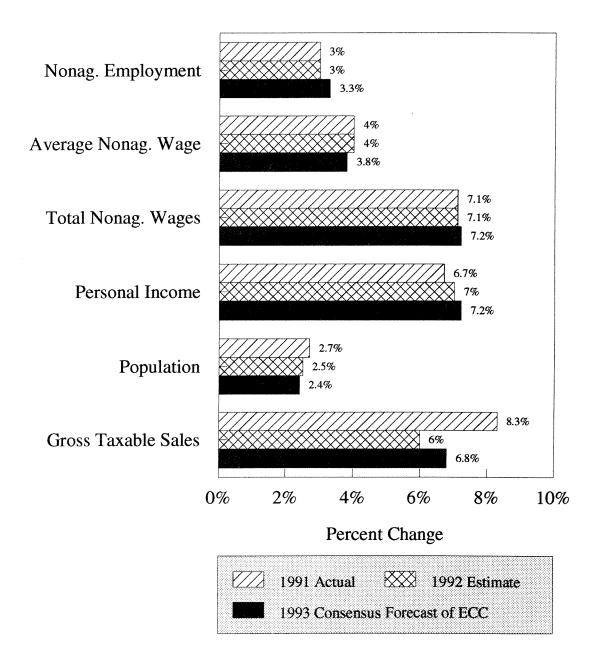
In the past, public education enrollment has continued to experience significant growth even during periods of economic downturns in the state. This growth occurred because more kindergartners entered the schools then 12th graders who left. However, with the leveling off of the differential between the number of kindergartners and 12th graders, growth in public education enrollment becomes very closely tied with the economic well-being (i.e., net inmigration) of the state. If Utah does not experience substantial net in-migration in the mid-1990s, public education enrollment may actually decline for a short period.

The last ten years have seen unprecedented growth in enrollment in Utah's higher education system. Enrollment (fall headcount) increased by almost 50 percent, from 67,400 in fall 1982 to 99,000 in fall 1992. Participation rate increases explain approximately 90 percent of the growth in higher education enrollment.

The population projections for the 1990s indicate that the number of 18-34 year olds will increase at more than three times the rate of the 1980s (12 percent vs. 3 percent). Assuming a 1991 constant (i.e., not increasing) enrollment participation rate (which is not likely), the demographic impact alone would be approximately 12,000 additional students in the 1990s. In projecting higher education enrollment an even more important consideration than the number of 18-34 year olds is the assumed participation rate. The relevant issues include, but are not limited to, employment opportunities, job retraining, limiting of admissions to institutions, entrance requirements, tuition increases, college loan availability, condition of the economy, availability of programs at institutions, and facilities' location.



Annual Percent Change Utah Economic Indicators



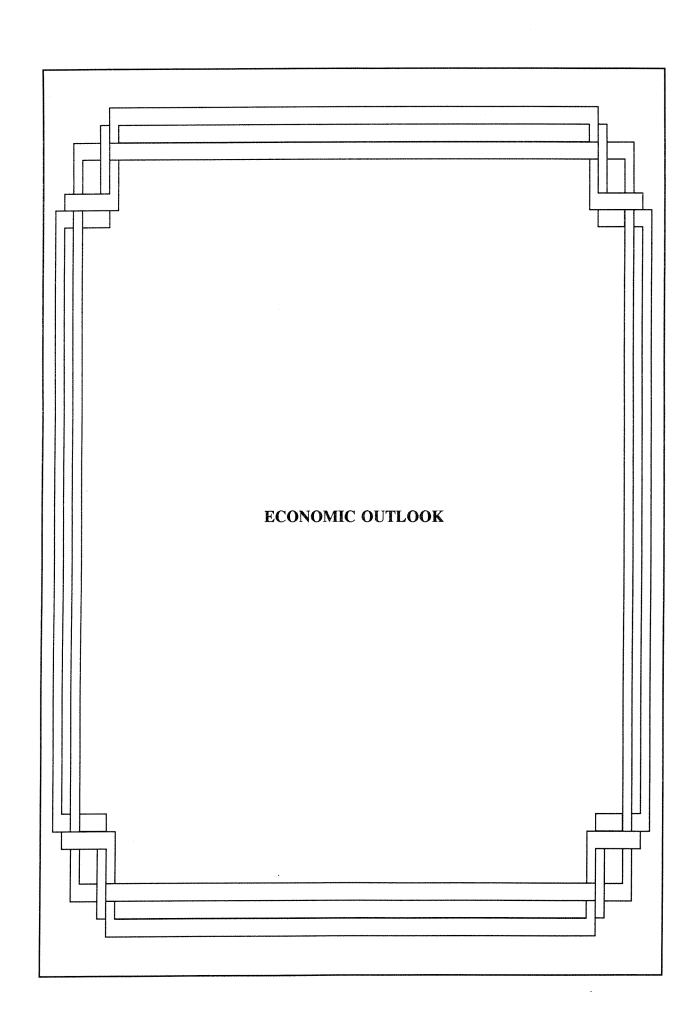
Source: State Economic Coordinating

Committee (ECC)

Actual and Estimated Economic Indicators

| U.S. AND UTAH INDICATORS | UNITS | 1990 Actual | 1991 Actual | 1992 Estimate | 1993 Forecast | Percent Change 90-91 | Percent Change 91-92 | Percent Change 92-93 |
|---|------------------------------|------------------|-----------------|------------------|------------------|----------------------------|----------------------------|----------------------------|
| PRODUCTION AND SPENDING | | | | | | | | |
| U.S. Real Gross Domestic Product | Billion 1987\$ | 4,877.5 | 4,821.0 | 4,910.3 | 5,049.3 | -1.2 | 1.9 | 2.8 |
| U.S. Real Personal Consumption | Billion 1987\$ | 3,260.4 | 3,240.8 | 3,307.9 | 3,400.7 | -0.6 | 2.1 | 2.8 |
| U.S. Real Bus. Fixed Investment | Billion 1987\$ | 538.1 | 500.2 | 512.2 | 542.9 | -7.0 | 2.4 | 6.0 |
| U.S. Real Defense Spending | Billion 1987\$ | 283.3 | 282.8 | 263.0 | 248.6 | -0.2 | -7.0 | -5.5 |
| U.S. Real Exports | Billion 1987\$ | 510.0 | 539.4 | 567.3 | 595.8 | 5.8 | 5.2 1.2 | 5.0 3.1 |
| U.S. Industrial Production Index | 1987=100 | 109.2 | 107.1 | 108.4 21.5 | 111.8 22.0 | -1.9 -0.5 | -1.8 | 2.3 |
| Utah Coal Production | Million Tons Million Barrels | 22.0 27.6 | 21.9 25.2 | 22.5 | 20.4 | -8.7 | -10.7 | -9.3 |
| Utah Oil Production Utah Copper Production | Million Pounds | 528.9 | 529.8 | 600.0 | 610.0 | 0.2 | 13.3 | 1.7 |
| ** | 141111011 1 0411111 | 0.00 | | | | | | |
| SALES AND CONSTRUCTION | | 400 | 100 | 100 | 140 | 115 | 4.1 | 10.9 |
| U.S. New Auto and Truck Sales | Millions | 13.9 | 12.3 1.02 | 12.8 1.23 | 14.2 1.40 | -11.5 -15.7 | 20.6 | 13.8 |
| U.S. Housing Starts | Millions | 1.21 | 190.3 | 215.9 | 248.2 | -13.7 | 13.5 | 15.0 |
| U.S. Residential Construction | Billion Dollars | 215.6 | 180.1 | 166.7 | 165.9 | -10.4 | -7.4 | -0.5 |
| U.S. Nonresidential Structures | Billion Dollars | 201.1 4,557.9 | 4,479.3 | 4,581.7 | 4,734.7 | -10.4 | 2.3 | 3.3 |
| U.S. Final Priv. Domestic Sales | Billion 1987\$ Thousands | 61.2 | 4,479.5 55.5 | 61.2 | 65.3 | -9.3 | 12.0 | 7.0 |
| Utah New Auto and Truck Sales | Thousands Thousands | 7.0 | 9.4 | 12.5 | 14.9 | 34.7 | 31.9 | 19.7 |
| Utah Dwelling Unit Permits Utah Residential Permit Value | Million Dollars | 579.4 | 791.0 | 1050.0 | 1312.5 | 36.5 | 32.7 | 25.0 |
| Utah Nonresidential Permit Value | Million Dollars | 422.9 | 342.4 | 380.0 | 430.0 | -19.0 | 11.0 | 13.2 |
| Utah Retail Sales | Million Dollars | 8,424 | 8,939 | 9,710 | 10,345 | 6.1 | 8.6 | 6.5 |
| Utah Total Gross Taxable Sales | Million Dollars | 14,774 | 15,998 | 16,950 | 18,110 | 8.3 | 6.0 | 6.8 |
| DEMOGRAPHICS AND SENTIMEN | r | | | | | | | |
| U.S. Population | Millions | 250.0 | 252.7 | 255.4 | 257.9 | 1.1 | 1.1 | 1.0 |
| U.S. Consumer Sentiment of U.S. | 1966=100 | 81.8 | 77.6 | 75.0 | 83.8 | -5.1 | -3.4 | 11.7 |
| Utah Fiscal Year Population | Thousands | 1,729.0 | 1,775.0 | 1,820.0 | 1,864.0 | 2.7 | 2.5 | 2.4 |
| Utah Fiscal Year Net Migration | Thousands | -3.6 | 19.0 | 19.0 | 17.0 | na | na | na |
| Utah Consumer Sentiment of Utah | 1966=100 | 82.5 | 82.1 | 80.2 | 85.0 | -0.5 | -2.3 | 6.0 |
| PROFITS AND PRICES | | | | | | | | |
| U.S. Corp. Profits Before Tax | Billion Dollars | 355.4 | 334.7 | 378.8 | 444.4 | -5.8 | 13.2 | 17.3 |
| U.S. Domestic Profits Less F.R. | Billion Dollars | 254.1 | 251.2 | 286.8 | 349.0 | -1.1 | 14.2 | 21.7 |
| U.S. Oil Ref. Acquis. Cost | \$ Per Barrel | 22.3 | 19.1 | 18.5 | 19.8 | -14.6 | -2.9 | 6.9 |
| U.S. Coal Price Index | 1982=100 | 97.5 | 97.2 | 94.9 | 96.0 | -0.3 | -2.4 | 1.2 |
| U.S. Ave. Copper Cathode Price | \$ Per Pound | 1.23 | 1.09 | 1.04 | 1.05 | -11.2 | -4.9 | 1.0 |
| U.S. No. 1 Heavy Melting Scrap | \$ Per Metric Ton | 105.5 | 91.8 | 90.0 | 93.5 | -13.0 | -2.0 | 3.9 |
| Utah Oil Prices | \$ Per Barrel | 22.6 | 20.0 | 19.2 | 20.6 | -11.6 | -4.0 | 7.3 |
| Utah Coal Prices | \$ Per Short Ton | 21.8 | 21.6 | 21.8 | 22.0 | -0.9 | 0.9 | 0.9 |
| INFLATION, MONEY AND INTERE | ST | | | | | | | |
| U.S. CPI Urban Consumers | 1982-84=100 | 130.7 | 136.3 | 140.5 | 144.7 | 4.2 | 3.1 | 3.0 |
| U.S. GDP Implicit Deflator | 1987=100 | 113.2 | 117.8 | 120.9 | 124.1 | 4.0 | 2.6 | 2.6 |
| U.S. Money Supply (M2) | Billion Dollars | 3,298.3 | 3,402.6 | 3,474.1 | 3,596.2 | 3.2 | 2.1 | 3.5 |
| U.S. Real M2 Money Supply (GDP) | Billion 1987\$ | 2,913.7 | 2,888.9 | 2,873.5 | 2,897.8 | -0.8 | -0.5 | 0.8 |
| U.S. Federal Funds Rate | Percent | 8.10 | 5.69 | 3.52 | 3.47 | -29.8 | -38.1 | -1.4 |
| U.S. Bank Prime Rate | Percent | 10.01 | 8.46 | 6.25 | 6.54 | -15.5 | -26.1 | 4.6 |
| U.S. Prime Less Federal Funds | Percent | 1.91 | 2.77 | 2.73 | 3.07 | 45.0 | -1.4 -26.7 | 12.5 |
| U.S. Prime Less Pers. Cons. Defl. | Percent | 4.60 | 4,50 5.37 | 3.30 | 3.50 | -2.2 | -26.7 -36.9 | 6.1 0.9 |
| U.S. 3-Month Treasury Bills | Percent | 7.49 | 5.37 8.14 | 3.39 7.68 | 3.42 7.87 | -28.3 -5.5 | -36.9 -5.7 | 2.5 |
| U.S. T-Bond Rate, 30-Year U.S. Mortgage Rates, Effective | Percent Percent | 8.61 10.0 | 9.3 | 8.3 | 8.6 | -7.0 | -10.8 | 3.6 |
| U.S. Mortgage Nates, Effective | 2 Orocit | 10.0 | ,,, | 0.0 | 2.0 | | 20.0 | |
| EMPLOYMENT, WAGES AND INCO U.S. Nonagricultural Employment | OME Millions | 109.79 | 108.31 | 108.45 | 110.05 | -1.3 | 0.1 | 1.5 |
| U.S. Average Nonagriculture Wage | Dollars | 24,982 | 25,964 | 26,862 | 27,915 | 3.9 | 3.5 | 3.9 |
| U.S. Total Nonagriculture Wages | Billion Dollars | 2,742.8 | 2,812.2 | 2,913.2 | 3,072.0 | 2.5 | 3.6 | 5.5 |
| U.S. Personal Income | Billion Dollars | 4,649.7 | 4,814.5 | 5,036.0 | 5,323.0 | 3.5 | 4.6 | 5.7 |
| U.S. Unemployment Rate | Percent | 5.5 | 6.8 | 7.5 | 7.3 | na | na | na |
| Utah Nonagricultural Employment | Thousands | 723.6 | 745.4 | 767.5 | 793.0 | 3.0 | 3.0 | 3.3 |
| Utah Average Nonagriculture Wage | Dollars | 19,728 | 20,518 | 21,342 | 22,144 | 4.0 | 4.0 | 3.8 |
| Utah Total Nonagriculture Wages | Million Dollars | 14,275 | 15,294 | 16,380 | 17,560 | 7.1 | 7.1 | 7.2 |
| Utah Personal Income | Million Dollars | 24,269 | 25,890 | 27,702 | 29,697 | 6.7 | 7.0 | 7.2 |
| | Percent | 4.3 | 4.9 | 4.9 | 4.7 | na | na | na |

Source: State Economic Coordinating Committee.



NATIONAL OUTLOOK

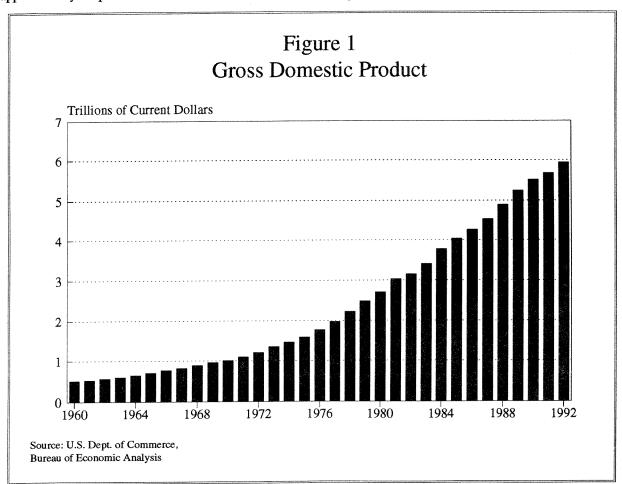
The Recession and the Election

Much discussion is occurring in the media and the economics profession these days over whether or not the country is still in a recession. The National Bureau of Economic Research (NBER), a private organization in Cambridge, Massachusetts, is the official business cycle dating committee. This group has been hesitant to date the recession due to the sluggishness of the recovery and fears that the economy could once again experience declines in inflationadjusted gross domestic product (GDP)(Figure 1).

The textbook definition of a recession is two consecutive quarters of declining real gross domestic product. By this definition the economy was in a recession from the third quarter of 1990 through the first quarter of 1991, and is now in a period of slow recovery. The strong 3.9 percent growth in real GDP in the third quarter of 1992 could mean that the NBER may soon meet to announce the end of the recession.

The NBER considers many variables, however, in dating a recession. One of these variables is job growth. Establishment employment peaked at 110.2 million jobs in the second quarter of 1990. Job growth bottomed out at 108.2 million in the first quarter of 1992. Wharton Econometric Forecasting Associates (WEFA) predict that three years will be required (third quarter 1993) for the number of jobs to return to their second quarter 1990 level.

Sluggish job growth may have contributed to Governor Bill Clinton's recent victory over President George Bush. Private sector jobs are virtually at the same level today (fourth quarter 1992) as when President Bush took office in first quarter 1989. The approximate 1 million jobs that were added during this period occurred in the government sector. Manufacturing lost about 1.3 million jobs during President Bush's term. And, unlike previous recessions, approximately 40 percent of the reductions were white-collar layoffs.



Factors Behind the Recession

Generally agreed-upon explanations for the recession include defense spending cutbacks, global competition, burdensome debts, asset deflation, and the credit crunch. According to *Business Week* magazine, defense-related cutbacks have accounted for two-thirds of this year's losses in factory jobs. California's aerospace industry shrunk by a sixth in the last two years and has declined by more than 80,000 jobs since May 1991. A recent study at Carnegie Mellon University estimates that inflation-adjusted GDP growth would be a full percentage point higher than the current rate without the defense slowdown.

In order to improve profit margins and successfully compete in the international marketplace, corporations have cut wages and laid off workers. Corporate restructuring and cost cutting have produced leaner, more productive work forces. A recent study by the McKinsey Global Institute found that U.S. employees were more productive than those in other major industrialized nations. U.S. Labor Department studies have also shown greater increases in comparable pay rates abroad.

High debt levels have constrained consumer spending. And, instead of borrowing to expand, many companies have trimmed their debt levels. Federal government debt quadrupled to \$4 trillion in the last ten years and is still growing with an annual deficit hovering around \$300 billion. The deficit now consumes approximately three-fifths of net private savings, according to *The Economist* magazine. The federal debt and consumer debt are shown in Figures 2 through 5.

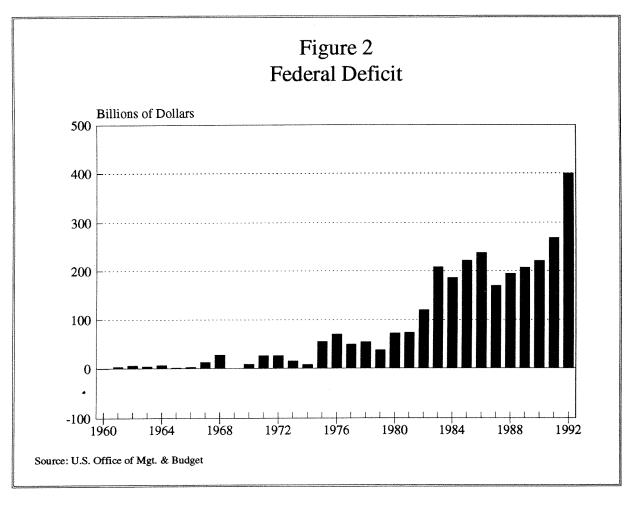
Asset deflation has also held back consumer and business spending. Lower rents and a glut of excess space in the commercial and industrial sector were responsible for a 5.3 percent drop in third quarter nonresidential construction contracts. Commercial construction, a major engine of growth in the 1983 rebound, fell 23.6 percent in 1991, and is expected to fall 21.4 percent in 1992.

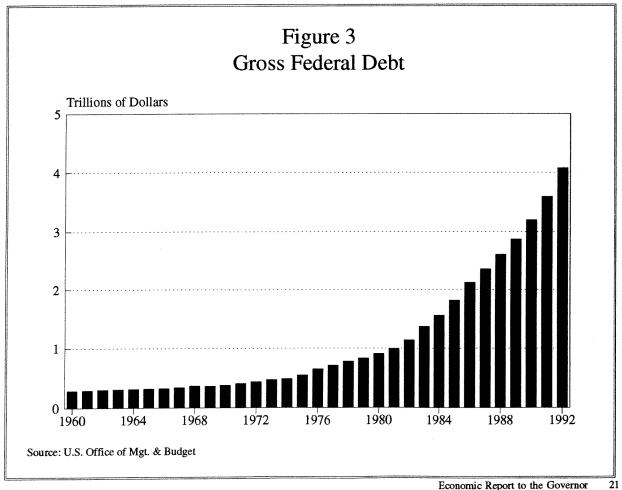
Bank non-performing real estate assets have more than doubled to \$90.5 billion in the last four years, and bank-loan portfolios have lost much of their value. The Congressional Budget Office estimates that as much as \$21 billion may be needed over the next three years to rescue failing banks. The Federal Reserve reported in November, however, that future losses in the industry have been "significantly overstated".

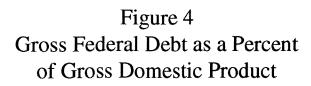
Banks are required by regulators to reserve 8 percent of their capital against business loans, whereas they are not required to maintain any reserves against government securities. This favorable treatment of government securities and declining real estate values have contributed to the current credit crunch by making banks hesitant to grant commercial loans.

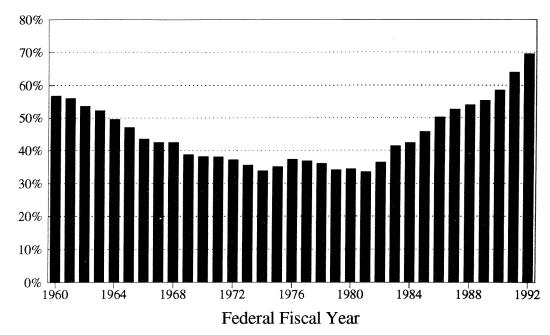
Commercial and industrial loans increased slightly in September 1992, but were still 4.1 percent below the September 1991 level. As of September 1992 banks had more money invested in government securities than in loans to businesses. An October 1992 Wall Street Journal article stated that these holdings now make up 21.8 percent of bank assets, up from 14.9 percent in August 1989. A November Federal Reserve survey found that loans to households were improving; whereas, loans to businesses had not changed much over the previous quarter.

Strict bank and insurance lending regulations are preventing 30 percent of small businesses from getting the loans needed, according to the U.S. Chamber of Commerce. Approximately two out of every three new jobs created during the 1980s came from small businesses. Both business failures and start-ups increased during 1992. Failures were up 14 percent for the first nine months and start-ups increased 6.9 percent for the first six months.

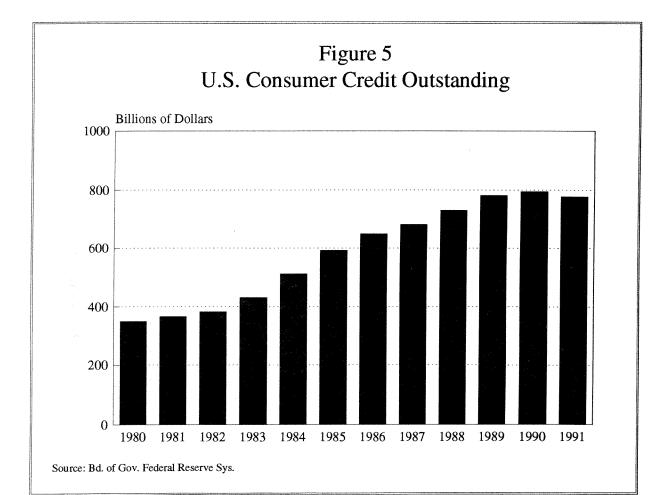








Source: U.S. Office of Mgt. & Budget



Outlook for the National Economy

The 1993 national outlook is for a year of improved, moderate economic growth. The 2.5 to 3.5 percent recovery in inflation-adjusted GDP expected in 1993, however, has no post World War II precedent. First-year growth rates have averaged 6.9 percent after postwar recessions. The weakest recovery was 3.5 percent in 1980-81, and it subsided just 12 months later.

Factors signaling recovery include low inflation, higher profits and productivity, lower debt service burdens, lean inventories, the improved profitability and capital positions of financial intermediaries, and portions of President-elect Clinton's economic proposals. A November 7th article in *The Economist* showed that since 1973 economies in lower-inflation countries have grown faster than economies in higher-inflation countries.

Lower labor costs helped contain inflation in 1992. Yearly wage growth stood at 2.4 percent in October, down from 3 percent a year ago and the weakest pace since mid-1987. Consumer Price Index urban-consumers (CPI-U) inflation should average about 3 percent in 1992 and remain around 3.2 percent in 1993.

Higher profits and productivity are paving the way to better job prospects in 1993. Nonfarm business sector productivity fell 1 percent in 1989, was flat in 1990, and grew only 0.1 percent in 1991. It has since averaged about 2.8 percent for the first nine months of 1992.

After-tax profits fell 3.7 percent in 1991, but are expected to increase 11.3 percent in 1992 and 15.6 percent in 1993. Operating profits increased 10 percent in the third quarter. A July 1992 study by Regional Financial Associates (RFA) showed a strong correlation between job growth and lagged growth in corporate profitability.

Lower interest rates have reduced the burden of servicing household debt. RFA estimates that the share of disposable income devoted to interest and principal payments will decrease from 18.1 percent in 1990 to 16.5 percent in 1992. And, as of October 1992, households pared their level of installment debt to 16.2 percent, the lowest rate in seven years.

Business inventories have been around 1.5 times monthly sales since mid-year, down from 1.55 in 1991, and much lower than the 1.67 reading during the 1982 recession. New "just-in-time" procedures imported from Japan contributed to the decline. Still, with inventories so lean, a pick-up in sales could boost factory activity. Both factory orders and orders for durable goods increased in September and October. The National Association of Purchasing Managers' index increased in October and November, indicating improved activity in the manufacturing sector.

Retail sales rose a strong 0.9 percent in October, the fourth uptick in a row and the sixth in the last seven months. Personal income growth jumped 1 percent in October, its biggest increase in ten months. The University of Michigan's consumer sentiment index climbed to 83.6 in early November after registering 73.3 in October. And, the unemployment rate dropped to 7.2 percent in November, down from an eight-year high of 7.8 percent in June 1992.

Thanks to record profits in 1992, more banks are in a stronger position to lend in 1993. Most banks are now well capitalized with core equity above 6 percent. And, of the few banks with less than 2 percent capital reserves, which will be closed after December 19th, many may be absorbed by healthy banks. The move into government securities and away from loans could reverse itself if interest rates begin to move upward.

The newly elected administration has advanced several proposals that could boost the economy in 1993 and beyond. These include an incremental investment tax credit for business purchases of equipment; a capital gains tax cut for small business owners; loosening of mortgage and bank lending restrictions; an extension of the research and development tax credit for businesses; and, an increase in spending on infrastructure, education, and job-training.

The strong 3.9 percent growth in real GDP in the third quarter makes it increasingly likely that fiscal stimulus to "jump-start" the economy will be small in magnitude, limited in duration, and focused on productive investment.

The new administration is now more likely to focus on long-run productivity problems associated with the economy. Sustainable improvements in productivity come from ongoing investments in equipment, research, and training; not from one-time, cost-cutting layoffs.

Many downside factors will hold back the economy. Some of these include a more cautious Federal Reserve; market fears of excessive new fiscal stimulus and regulations; deeper defense cuts; higher tax rates; and, a slowdown in economic growth overseas, coupled with a drop in exports. Slow growth in inflation has given the Federal Reserve room for further easing of short-term rates. The Federal Reserve has reduced interest rates 32 times over the past three years. Excessive short-term interest rate reductions could, however, re-ignite inflation and boost long term rates. The Federal Reserve is likely to wait and see the extent of any new fiscal packages before taking further action. Bond investors want to feel assured that a new economic program will not lead to higher deficits, interest rates, and inflation.

Some businesses are also concerned about President-elect Clinton's proposals to mandate family medical and newborn-child leave, worker training, and health benefits at their expense. Many entrepreneurs and foreign corporations would also be affected by higher tax rates. The new administration has also proposed to raise income taxes on foreign corporations and on families with incomes over \$200,000 (from 31 percent currently) to a top rate of 36 percent.

The President-elect has also stated that he intends to assess a 10 percent surcharge on incomes over \$1 million. The tax increases on upper incomes would pay for an expanded earned income tax credit for the poor and a middle-class tax cut. The tax changes would be redistributive, rather than a source of funds to pay for program proposals, such as college education loans for all (repayable through public service work).

Program funding would come from economic growth, mandated business expenses, price controls (cost-containment), and defense cuts. Clinton has proposed cutting defense spending by over a third by 1997, \$38 billion more over the next four years than the last Bush budget. Accelerated defense cuts may be delayed, however, until 1994-95.

The National Association of Manufacturers recently calculated that exports accounted for over 70 percent of U.S. growth since 1990. Real exports rose by 74.5 percent between 1985 and 1991. During this period, the U.S. share of world exports increased from 19 percent to 27 percent.

High interest rates brought on by German reunification, and equity and property price deflation in Japan and parts of Europe have recently produced slower growth overseas and a decline in U.S. exports. Exports to Europe were flat in the first eight months of 1992, and exports to all countries fell 6 percent in August — their sharpest drop since 1987. Exports increased in September, but the improvement may not be sustainable.

UTAH OUTLOOK

The Previous Ten Years

Utah's economy performed well over the past decade except for a downturn in 1986 - 1987 brought about by declining oil prices, the completion of the Intermountain Power Project, and the temporary closures of Kennecott Copper and Geneva Steel. A structural shift occurred over this time period away from government jobs and goods-producing industries, toward private sector employment and services-producing industries.

The state added over 206,000 jobs from 1982 to 1992 with most of the growth, 176,000 jobs, occurring in the private sector. Private sector employment increased from 77.5 percent of total jobs in 1982 to 79.6 percent in 1992. Goodsproducing industries (mining, construction, and manufacturing) decreased from 23.3 percent to 19.4 percent of total employment. Services-producing industries (transportation, communications, and public utilities; wholesale and retail trade; services; and finance, insurance, and real estate) increased from 54.1 percent in 1982 to 60.1 percent in 1992.

Services and retail trade experienced the biggest services-producing gains. Services gained 86,750 jobs and increased from 19.6 percent of total employment in 1982 to 25.6 percent in 1992. Retail trade gained 47,000 jobs and increased from 17.3 percent to 18.8 percent of total employment. Mining was the only industry that lost jobs, with 9,800 job losses and a decrease from 3.2 percent of total employment to 1.1 percent.

Many factors contributed to the services-producing gains including income and population increases, changes in technology, the increased use of contracted-out business services, greater participation of women in the work force, and the substitution of capital for labor in goods-producing industries. Thousands of coal, copper, and oil and gas mining jobs were eliminated during this period.

Government added about 30,300 jobs but decreased as a percent of total jobs from 22.5 percent in 1982 to 20.4 percent in 1992. Federal employment increased only 750 jobs during this period; whereas, state jobs increased 12,500 and local employment went up by 17,150 jobs. Only state employment gained as a percent of total jobs, however, with an increase of 5.9 percent in 1982 to 6.0 percent in 1992.

Jobs and the average wage each increased about 37 percent from 1982 to 1992. The average yearly wage, adjusted for CPI wage-earners inflation, decreased 4 percent, however, from \$22,235 to \$21,342 in 1992 dollars. This lower real average wage per job meant that job growth would have to exceed population growth in order for real per capita total wages (inflation- and population- adjusted total wages) to increase. Indeed, population increased 16.8 percent during this period while jobs increased 36.8 percent. This allowed real per capita nonagricultural total wages to increase by 12.4 percent from \$8,006 in 1982 to \$9,000 in 1992.

The Utah economy out-performed the U.S. economy in employment growth over the past decade, but fell behind in CPI inflation and population adjusted personal income growth. Real per capita personal income grew 16.6 percent from \$13,049 to \$15,221 in Utah between 1982 and 1992; whereas, it grew 19.3 percent from \$16,529 to \$19,718 nationwide (in 1992 dollars).

Nonagricultural job growth in Utah during this period increased around 37 percent compared to 21 percent for the nation. Real per capita income grew faster in the nation than in Utah from 1982 to 1992, partly due to the real wage per job increasing 5.9 percent nationwide, from \$25,371 to \$26,862 in 1992 dollars, while it declined 4 percent in Utah.

Recent Conditions

The Utah economy grew steadily from its 1986 - 1987 downturn until 1990. Employment growth in 1987 was only 1 percent; by 1990 it had reached 4.7 percent. Total nonagricultural wages (the combination of employment and average wage growth) increased from 3.1 percent in 1986 to 8.6 percent in 1990. Growth improved due to the reopening of Kennecott Copper and Geneva Steel, increased oil prices, and expansions of new and existing firms in prominent areas such as telecommunications, aerospace, and computer and biomedical technologies.

Utah was not immune to the national recession, however, which began in July 1990. Employment growth slowed to 3 percent by 1991 and nonagricultural growth slowed to 7.1 percent. Despite a slowdown in Utah's economic activity since 1990, Utah's performance has ranked near the top of all states. Utah placed third in state rankings of personal income growth and second in nonagricultural job growth in 1991, a year when jobs nationally declined 1.3 percent.

Utah's personal income rate of growth was almost double the national average in 1991. And, although Utah's per capita income ranked 48th in the nation in 1991, the state had the ninth fastest increase in per capita income growth for that year. Population growth surged in 1991 largely due to a big jump in net in-migration — 19,000 persons. While this surge helped increase the unemployment rate from 4.3 percent in 1990 to 4.9 percent in 1991, it also helped improve the growth in new dwelling unit permits, residential construction values, and retail sales.

In many ways 1992 was a repeat performance of 1991. In both years net in-migration remained at 19,000, job growth was 3 percent, wage growth was 4 percent, the unemployment rate remained constant at 4.9 percent, and total nonagricultural wage growth was again 7.1 percent. Although average wage growth remained unchanged for 1992, it improved significantly when adjusted for inflation.

The CPI wage-earners inflation adjusted average wage in Utah increased in 1992 for the first time since 1984. The real wage per job decreased every year between 1985 and 1990 partly due to lower paying jobs in service-producing industries replacing higher wage jobs in goods-producing industries. The real wage remained constant in 1991. While wage growth in the last two years is encouraging, it remains to be seen if the trend toward lower real wages in Utah has permanently reversed itself.

Utah's national rankings also held fairly stable in 1992. Utah ranked second in the nation in the rate of growth in personal income from second quarter 1991 to second quarter 1992. The state ranked first in the nation in year-over total nonagricultural job growth through September 1992, second in housing permits and second in office employment growth rates, and first in the rate of growth in manufacturing exports through August 1992. And, while Utah ranked number one as the best managed state in the nation in the May 28, 1991 issue of *Financial World* magazine, it ranked second in the U.S. in the May 12, 1992 issue.

Quality operations in state government were further recognized by Fitch bond rating service when it assigned the highest quality triple AAA rating to Utah's most recent bond issuance. Fitch cited the state's "conservative financial operations and economic gains of recent years," its budget surplus, and its Rainy Day fund reserve as reasons for the high rating. Utah was also mentioned in the October 1992 issue of State Policy Reports as one of the few fortunate states that didn't overborrow, overestimate revenues, underestimate spending, or "shoot themselves in the fiscal foot" by state court decisions or voter initiatives.

Utah and its cities have received favorable press coverage over the past year from numerous national sources including *Business Week* magazine, the *Wall Street Journal*, the *Washington Post* newspaper, *Time* magazine, *Financial World* magazine, ABC news, and the Federal Reserve Board of San Francisco's Weekly Letter. Utah won the 1992 title of "Most Livable State" from Morgan Quitno, publisher of *State Rankings and State Perspectives*. Utah was ranked first by Ernst & Young as having the most affordable homeowners' and renters' markets. And, Utah was one of five states to make the Corporation for Enterprise Development's "honor roll" of economic performance.

Industries that did particularly well in Utah in 1992 were: construction with a 9.8 percent increase in job growth; retail trade at 4.6 percent; and services with a 4.4 percent increase over 1991. New firm openings and major

expansions of existing firms exceeding 100 workers in 1992 included, but were not limited to the following, Standard Industrial Classification (SIC) codes are listed also:

| SIC: | | SIC: | |
|------|-----------------------------|------|---------------------------------|
| 2329 | Odyssey of America, Inc. | 4724 | Morris Air Service |
| 3249 | Piper Impact | 5099 | International Electronics |
| 3364 | Magnesium Corp. of America | 5331 | Wal Mart Stores |
| 3429 | Zero Enclosures | 5331 | Kmart Corporation |
| 3441 | SME Industries | 6141 | Discover Card Services, Inc. |
| 3463 | Cressona Aluminum | 6141 | Prime Option Services |
| 3469 | Natter Manufacturing, Inc. | 7011 | Holiday Inn Reservations Center |
| 3672 | Compeq Manufacturing | 7372 | Novell, Inc. |
| 3672 | ESAM | 7372 | WordPerfect Corporation |
| 3714 | Morton International, Inc. | 7389 | Franklin Quest International |
| 3728 | Lucas Western, Inc | 7389 | Nutek |
| 3841 | Merit Medical Systems, Inc. | 8062 | University of Utah Hospital |
| 3999 | OEA | 9711 | Defense Logistics Agency |
| 4512 | Continental Airlines | | |

Utah lost jobs in 1992 in its defense-related durable manufacturing and federal government industries, and in its mining industry. Contractions and closures exceeding 100 workers in 1992 included, but were not limited to, layoffs at the following:

| SIC: | | <u>SIC:</u> | |
|------------|----------------------------|-------------|----------------------|
| 1222 | Soldier Creek Coal Company | 3764 | Thiokol Corporation |
| 2329, 2331 | Catalina | 3764 | Hercules, Inc. |
| 3231 | Safelite Auto Glass | 3812 | Litton Systems, Inc. |
| 3312 | Geneva Steel | 3812 | Airspace Management |
| 3441 | Stott, Inc. | 5912 | Phar-Mor |
| 3672, 3571 | Unisys | 7389 | Matrixx Marketing |
| 3674 | Signetics Company | 9711 | Hill Air Force Base |
| 3728 | McDonnell Douglas | 9711 | Ogden Defense Depot |

Layoffs at defense installations and defense-related business have been particularly apparent. Prime contract defense awards in Utah declined from \$1.7 billion in 1986 to \$0.8 billion in 1991.

Outlook

The economic outlook for Utah in 1993 is for solid, average growth. The Utah economy should grow at about 3.3 percent in 1993. The historic 1950-92 job growth rate in Utah is 3.4 percent. Regional Financial Associates (RFA) forecasted in October 1992 that Utah would rank third in the nation in the rate of job growth for 1993. RFA also predicted in October that Utah was the least likely state in the nation to experience a recession in 1993.

Population, employment, wages, and incomes in Utah should all show solid growth through 1993. Population growth should increase at 2.4 percent. Nonagricultural employment is expected to grow around 3.3 percent, the average wage is expected to increase by 3.8 percent, total nonagricultural wages should increase by about 7.2 percent, and personal income is expected to increase by 7.2 percent in 1993.

The construction industry should continue to register the biggest gains in 1993. Anticipated construction growth of 6.9 percent will be fueled by growth and modernization in other industries, the lack of overbuilding in the 1980s, continued net in-migration, moderate mortgage interest rates, solid job creation, dwelling unit shortages, and numerous projects that have already been announced.

Announced projects for 1993 and beyond include, but are not limited to:

- Construction of a smelter and refinery at Kennecott Corporation;
- Upgrades of oil refineries owned by Flying J and Amoco;
- Development of Winter Olympic sports facilities;
- Addition of runway at the Salt Lake International Airport;
- Construction of Utah Tax Commission building;
- Development of Whitney Canyon gas pipeline;
- Construction of Utah Valley Community College sports complex;
- Renovation of Salt Palace convention center;
- Building of Payless and Wal-Mart distribution centers;
- Improvements at Tooele Depot hazardous waste storage facilities;
- Additions to Delta Airlines reservations center;
- Expansions at South Towne Mall; and
- Additions at Novell, Incorporated.

Many economic conditions fall within Utah's control. Utah has a pro-business regulatory environment; moderate business taxes; a balanced, comprehensive tax system; and, a solid utility, communications, education and transportation infrastructure. The state also has low violent crime rates; numerous recreational opportunities; a youthful and educated labor force; inexpensive housing; good universities; healthy lifestyles; inexpensive health insurance and worker's compensation; and, a strong work ethic that should continue to favorably influence business location decisions.

Although Utah's school are challenged by Utah's unique demographics, Utah has the highest literacy rate in the nation, and continues to score above average on national aptitude tests. Results from 1990 Decennial Census of Population and Housing showed that, of all states, Utah and the District of Columbia had the second highest percentage of high school graduates ages 25 and older. Utah ranked 15th for the percentage of people who have obtained a bachelor's degree or higher.

Nationwide, higher education appropriations decreased 1 percent from fiscal year 1991 through fiscal year 1993 for the first time since these statistics have been kept. In contrast, Utah increased its appropriations to higher education over this same time period by 13 percent, the fifth highest rate of increase in the nation. And, Utah universities and colleges ranked third in per capita federal research and development obligations in fiscal year 1990.

Utah has a favorable business climate. Effective July 1, 1991, Utah law provided for the creation of limited-liability companies. This form of incorporation allows businesses, including professionals, the tax advantages of partnerships and the liability protection of corporations. Utah is also a right-to-work state that provides enterprise-zone income tax credits to companies in economically distressed areas.

Several companies have announced permanent workforce expansions and new firm openings in 1993. These include Morton International, Novell Inc., Kennecott's Barneys Canyon Mine, Weider Foods, R.R. Donnelley & Sons, Morris Air Service, Associated Financial Services, Holiday Inn Reservations, Payless, Wal Mart, South Towne Mall, South Davis Community Hospital, Fidelity Investments, and Anderson Hickey.

Still, Utah remains vulnerable to many economic forces largely beyond its control. Utah is dependent on international exports and exports to other states for much of its business. International exports alone accounted for \$2.1 billion in sales in 1991. International competition and technological changes often force Utah companies to shutdown, modernize, or upgrade their products and services. And, many prices for Utah commodities, such as oil and copper, are determined in the international marketplace and by the exchange rate value of the dollar.

Finally, federal land administration and defense expenditures which are critical to Utah's economy are determined by national political political. Roughly 3,000 defense-related jobs were lost in Utah in 1992, and more layoffs are scheduled for 1993. It remains to be seen whether or not these reductions will accelerate or moderate under the new federal administration. Scheduled workforce reductions in 1993 in Utah include layoffs at Hill Air Force Base, the Tooele Army Depot, the U.S. Postal Service, and National Semiconductor.

UTAH'S LONG TERM OUTLOOK

Utah is projected to have over 1 million more inhabitants in the year 2020 than were counted during the census in 1990. The projected population of 2,774,000 represents an average annual growth of 1.6 percent from 1990 to 2020. While this rate of growth is significantly lower than Utah's annual rate of 2.2 percent from 1960 to 1990, it is still double the national growth rate for the same projection period. Part of the lower growth shown in the current projections is a consequence of the lower growth experienced in Utah in the 1980s. Although these rates of growth have slowed at the state level, there are some individual multi-county districts which show more growth, while others show less growth. Table 1 provides a summary of Utah's long term outlook.

Components of Population Change

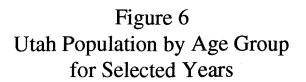
Population change in any area over time results from three phenomena: (1) Births, (2) Deaths, and (3) Net in-or out-migration. Utah's birth rate has historically been the highest in the nation. Total fertility (a measure of average births per woman) in Utah is still high relative to the national average. Utah's rate steadily declined during the 1980s, while the national rate held fairly constant at about 1.8 births per woman until the past two years, when it began increasing.

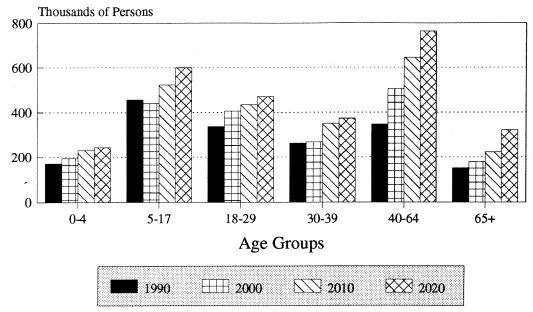
After a historical comparison of Utah and U.S. fertility rates a reasonable assumption was made that the Utah total fertility rate would stabilize at a level above the U.S. average. For the purpose of these projections, Utah's total fertility rate was assumed to remain constant at approximately 2.6 births per woman through the projection period. It is projected that 1.27 million births will occur to Utah residents between 1991 and 2020. The number of births is expected to taper off over the next few years, followed by another surge expected in the mid-1990s as another generation begins to age into the childbearing years.

Not surprisingly, the number of deaths in the state is expected to rise continually through 2020, even though the survival rates for each age level are assumed to remain constant. The reason for this increase is that the population as a whole becomes more heavily concentrated in the older, age groups which experience lower survival rates. For example, in 1990, it is estimated that 11.8 percent of the population was 60 years old or older. By 2020, this age group is projected to increase to 16.3 percent (Figures 6 and 7 provide projected populations by age group). The number of deaths over the next 30 years should total almost 400,000.

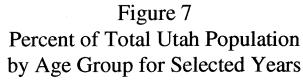
Migration is typically the most volatile component of population change because it varies with demographic changes and economic conditions. Since 1950, there have been two extended periods of net out-migration (1951 to 1968 and 1983 to 1990) and one extended period of net in-migration (1969 to 1982) in Utah. These periods depict the volatility of migration. For the decade of the 1980s, the total net out-migration for the state was approximately 25,000. This total is very different from the 1970s, when there was a net in-migration of 150,000 people.

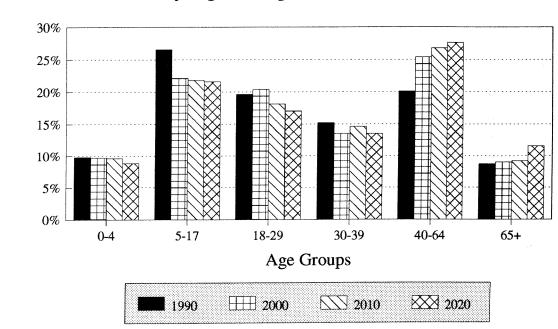
During the period 1991 to 2020, a net in-migration of 169,000 people is expected to occur in the state (i.e., in-migration is expected to exceed out-migration by 169,000). However, out-migration is projected to occur during some years of this period. Out-migration occurs when the economy does not grow fast enough to provide enough jobs for the growing labor force. Population growth usually still occurs during these periods of net out-migration due to natural increase.



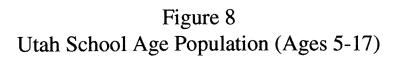


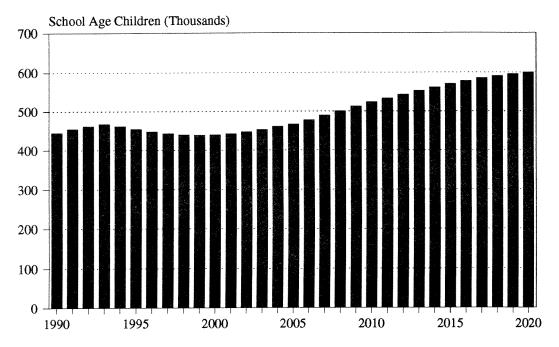
Source: 1990 Census and UPED Model, Utah Office of Planning and Budget





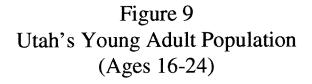
Source: 1990 Census and UPED Model, Utah Office of Planning and Budget

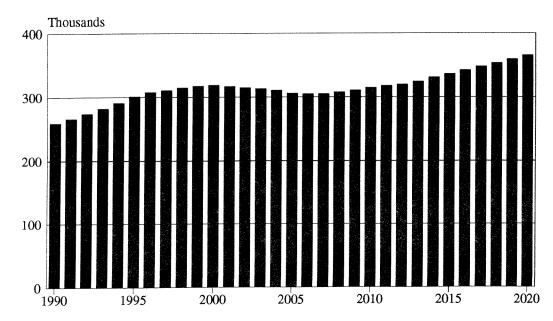




Source: UPED Model,

Utah Office of Planning and Budget





Source: UPED Model,

Utah Office of Planning and Budget

School Age Population

The ratio of school age population to total population increased in the 1980s, from 23.5 percent in 1980, to almost 26 percent in 1990. However, it is expected that this ratio will begin to decline in the 1990s. The decline in fertility rates, the age structure of women in the childbearing years and the out-migration from 1983 to 1990 are responsible for the slowdown in the growth of the school age population. A number of years in the mid- to late- 1990s are expected to show an actual decline in the total school age population. This trend could be offset, however, if large levels of in-migration are sustained. Also, it should be kept in mind that while total enrollment may decline, it will be concentrated in the elementary grades. Enrollment in the middle and secondary schools will, in fact, increase during the period of projected enrollment declines. After the turn of the century, growth is projected to resume, as a new demographic cycle begins when larger age cohorts of women enter the childbearing years. Between 1990 and 2020, school age population is projected to increase by almost 150,000 children, an increase of 31 percent (Figure 8). Table 2 present population projections by selected age groups.

Adult Population

The age group of 40-64 year olds is expected to more than double in size in the next 30 years, increasing by over 418,000 persons. This large increase of the older adult population is a result of the aging of baby boomers. This group comprised 20 percent of the population in the 1990 Census, and is expected to account for almost 28 percent of the population by the year 2020. The 40-64 age group enjoys significantly higher income levels than the general population, and therefore has a greater amount of disposable income to spend on cars, trucks, upscale housing, etcetera. The 1990 Census indicates that a full one-third (33.8 percent) of householders aged 45-64 have household income greater than \$50,000. This compares to less than 15 percent enjoying that level of income for the rest of the population. Clearly, the affluence offered by higher income levels will significantly impact the future economy in the state (Figure 9).

Labor Force

Increases or decreases in the labor force are caused by one or more of the following circumstances: 1) More entrants joining the labor force for the first time (defined as entrants from 16 to 24 years of age); 2) The labor force participation rates for persons already in the 16-64 age group change; or 3) The net migration changes the number of people in the labor force pool. The most dramatic change which will be occurring in the 1990s is the number of new entrants moving into the labor force. While the 16-24 age group actually declined in the 1980s by 3 percent, the 1990s will show an increase of more than 23 percent in this group, which is twice the national rate of growth for this group. Over the entire 30-year projection period, this age group will increase by over 40 percent. Because of this growth, Utah will continue to have the youngest labor force in the nation. This factor has positive implications for future employers in the state, including an ample supply of labor.

Employment

Total state employment (including self-employment and agriculture) is projected to increase from over 831,400 jobs in 1991 to 1,343,000 jobs by 2020. This increase of over 511,000 jobs represents an average annual growth rate of 1.67 percent. The overall pattern is a significant movement away from dependence on the state's traditional goods-producing economic base and toward service-producing industries as the driving sectors in the Utah economy (Figure 10 and Table 3).

The more specific industries which are projected to have the fastest growth rates (an annual average of at least 2.5 percent) over the 30-year projection period include (by two-digit Standard Industrial Classification (SIC) code):

| SIC | |
|-----|--|
| 87: | Engineering and management services, |
| 73: | Business services, |
| 45: | Air transportation, |
| 36: | Electronic and other electric equipment manufacturing, |
| 07: | Agricultural services, |
| 76: | Miscellaneous repair services, and |
| 37 | Transportation equipment manufacturing. |

Summary of Long Term Projections

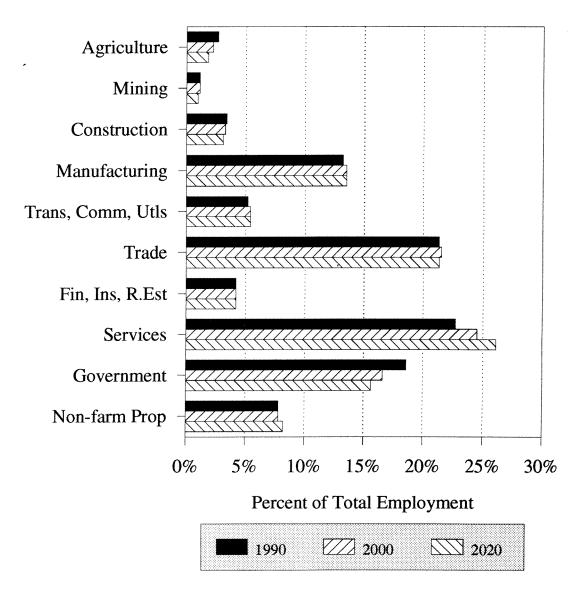
The following is a summary of the long term projections for Utah relative to the rest of the nation:

- The total fertility rate of Utah women is assumed to remain constant at approximately 2.6 average births per woman throughout childbearing years. Total fertility rates nationally have been increasing and are now in the 2.0 range.
- Projected rates of population growth in Utah are higher than the rest of the nation. Utah is projected to have a 1.6 percent rate of growth between now and 2020, while the nation is projected to grow at less than half that rate.
- Utah is projected to continue to have the youngest population in the nation. Utah's median age in the year 2020 is projected to be 31 years, while the nation's median age is projected to be 41 years. The differences in age between Utah and the U.S. are projected to actually increase over the next two decades.
- Utah's labor force will see periods of rapid increase over the next two decades. Utah will continue to have the youngest labor force in the nation. Labor shortages are occurring now in many parts of the U.S. and will become more prevalent in the future.
- Large increases in the labor supply will create periods of some out-migration in Utah's future unless job growth is larger than has been historically experienced.

Implication of the Projections

Utah can be expected to experience continued relatively good growth through the last decade of the 20th century and well into the 21st century. The population growth rate in Utah is projected to be twice the growth projected for the nation. Growth in Utah will not be evenly distributed across the state. In particular, some rural counties, historically dependent on natural resource development, will not be able to provide adequate jobs to employ all of their young people as they age into the labor force. Indeed, as has already been observed in the years 1983 to 1990, the entire state will experience periods of net out-migration as a result of inadequate employment opportunities. The overall state-level picture for most projection years is one of adequate job growth to meet Utahns' employment needs. Within the state the geographic distribution of new jobs may cause migration from rural areas to metropolitan counties. Migration is extremely volatile and difficult to project and is subject to cycles in various industries. The expectations, as expressed in these projections are, of course, based on a set of crucial assumptions about future economic and demographic behavior. The assumptions represent a consensus best effort of a large number of planners, officials, and analysts at both state and local levels. The projections and assumptions are plausible and reasonable as viewed from this point in time.

Figure 10 Utah Employment by Industry for Selected Years



Source: 1990, Ut. Dept. of Employment Security; 2000-2020, Utah Office of

Planning & Budget

Table 1 Utah Economic and Demographic Projections Summary

| Average Size | 3.09 | 3.07 | 3.05 | 3.03 | 3.01 | 2.99 | 2.98 | 2.96 | 2.95 | 2.94 | 2.93 | 2.92 | 2.92 | 2.91 | 2.90 | 2.90 | 2.89 | 2.88 | 2.88 | 2.87 | 2.86 | 2.86 | 2.85 | 2.84 | 2.83 | 2.82 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Percent Change | - | 1.3% | 1.8% | 1.8% | 2.0% | 2.3% | 2.0% | 2.2% | 2.2% | 2.5% | 1.9% | 2.3% | 2.2% | 2.5% | 2.3% | 2.3% | 1.9% | 1.8% | 1.7% | 1.8% | 1.8% | 1.7% | 1.6% | 1.5% | 1.6% | 1.4% |
| Households | 608,000 | 616,000 | 627,000 | 638,000 | 651,000 | 000'999 | 000,679 | 694,000 | 709,000 | 727,000 | 741,000 | 758,000 | 775,000 | 794,000 | 812,000 | 831,000 | 847,000 | 862,000 | 877,000 | 893,000 | 000,606 | 924,000 | 939,000 | 953,000 | 968,000 | 982,000 |
| Percent Change | 1 | 1.6% | 1.6% | 1.9% | 2.0% | 2.1% | 1.8% | 1.9% | 2.1% | 2.1% | 1.9% | 1.8% | 2.0% | 1.9% | 2.0% | 2.0% | 1.3% | 1.4% | 1.3% | 1.3% | 1.3% | 1.2% | 1.2% | 1.2% | 1.1% | 1.2% |
| Nonag. Wage and Salary Employment | 807,000 | 820,000 | 833,000 | 849,000 | 866,000 | 884,000 | 900,000 | 917,000 | 936,000 | 956,000 | 974,000 | 992,000 | 1,012,000 | 1,031,000 | 1,052,000 | 1,073,000 | 1,087,000 | 1,102,000 | 1,116,000 | 1,131,000 | 1,146,000 | 1,160,000 | 1,174,000 | 1,188,000 | 1,201,000 | 1,215,000 |
| Percent Change | ; | 1.5% | 1.7% | 1.8% | 1.9% | 2.1% | 1.8% | 1.8% | 2.0% | 2.1% | 1.9% | 1.9% | 1.9% | 2.0% | 1.9% | 2.0% | 1.4% | 1.3% | 1.4% | 1.3% | 1.3% | 1.3% | 1.2% | 1.2% | 1.1% | 1.1% |
| Total Employment | 896,000 | 000,606 | 924,000 | 941,000 | 929,000 | 000,676 | 000,766 | 1,015,000 | 1,035,000 | 1,057,000 | 1,077,000 | 1,097,000 | 1,118,000 | 1,140,000 | 1,162,000 | 1,185,000 | 1,201,000 | 1,217,000 | 1,234,000 | 1,250,000 | 1,266,000 | 1,282,000 | 1,298,000 | 1,313,000 | 1,328,000 | 1,343,000 |
| Percent Change | 1 1 | -1.3% | -1.1% | -0.7% | -0.2% | 0.2% | 0.7% | 0.9% | 1.3% | 1.5% | 1.5% | 2.1% | 2.5% | 2.2% | 2.4% | 2.3% | 1.9% | 1.7% | 1.8% | 1.6% | 1.4% | 1.4% | 1.2% | 1.0% | 0.8% | 0.7% |
| School Age Population (Ages 5-17) | 454,000 | 448,000 | 443,000 | 440,000 | 439,000 | 440,000 | 443,000 | 447,000 | 453,000 | 460,000 | 467,000 | 477,000 | 489,000 | 500,000 | 512,000 | 524,000 | 534,000 | 543,000 | 553,000 | 562,000 | 570,000 | 578,000 | 585,000 | 591,000 | 596,000 | 000,009 |
| Percent Change | 1 | 0.8% | 1.0% | 1.1% | 1.4% | 1.6% | 1.6% | 1.7% | 1.8% | 2.1% | 1.6% | 2.0% | 2.0% | 2.1% | 2.2% | 2.1% | 1.6% | 1.6% | 1.5% | 1.5% | 1.5% | 1.4% | 1.3% | 1.3% | 1.2% | 1.2% |
| Total Population | 1,879,000 | 1,894,000 | 1,912,000 | 1,933,000 | 1,960,000 | 1,992,000 | 2,023,000 | 2,057,000 | 2,094,000 | 2,137,000 | 2,172,000 | 2,215,000 | 2,260,000 | 2,308,000 | 2,358,000 | 2,408,000 | 2,447,000 | 2,486,000 | 2,524,000 | 2,563,000 | 2,602,000 | 2,638,000 | 2,673,000 | 2,708,000 | 2,741,000 | 2,774,000 |
| Year | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |

Note: These projections are long term projections and are not always consistent with short term forecasts. Long term projections provide a future perspective which is relatively unaffected by their beginning level.

Source: Utah Office of Planning and Budget, UPED Model.

Table 2
State of Utah Population Projections
by Selected Age Groups

| Age Group | 1990 | 2000 | 2010 | 2020 |
|--|---|---|---|--|
| 0-4 5-17 18-29 | 169,633 457,811 337,307 | 194,027 439,854 405,997 | 230,430 523,840 434,806 | 243,132 599,946 471,089 |
| 30-39 40-64 65+ 15-44 | 261,786 346,355 149,958 789,847 | 268,002 505,267 178,901 907,167 | 350,876 646,245 221,646 1,039,702 | 373,153 765,048 321,651 1,169,948 |
| Total Median Age | 1,722,850 | 1,992,048 | 2,407,843 | 2,774,019 |
| Dependency Ratio | 82 | 69 | 68 | 72 |
| Percent of To | tal Population | | - | |
| Age | 1990 | 2000 | 2010 | 2020 |
| 0-4 5-17 18-29 30-39 40-64 65+ 15-44 | 9.8% 26.6% 19.6% 15.2% 20.1% 8.7% 45.8% | 9.7% 22.1% 20.4% 13.5% 25.4% 9.0% 45.5% | 9.6% 21.8% 18.1% 14.6% 26.8% 9.2% 43.2% | 8.8% 21.6% 17.0% 13.5% 27.6% 11.6% 42.2% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% |

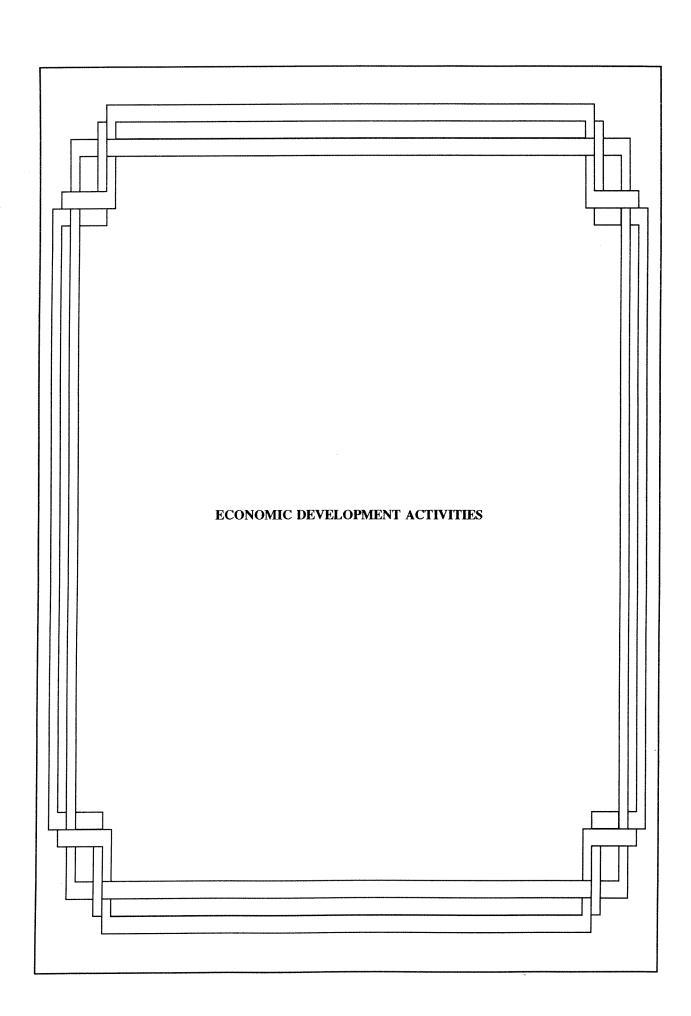
Source: Utah Office of Planning and Budget, UPED Model.

State of Utah Employment Projections by Industry Table 3

| | 19 | 0661 | 20 | 2000 | 2020 | 20 | V |
|----------------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-----------------------------|
| Industry | Number of Jobs | Percent of Total | Number of Jobs | Percent of Total | Number of Jobs | Percent of Total | Average Annual Growth |
| Agriculture (1) | 21,044 | 2.6% | 21,975 | 2.2% | 23,674 | 1.8% | 0.4% |
| Mining | 8,602 | 1.1% | 10,224 | 1.0% | 12,628 | 0.9% | 1.3% |
| Construction | 27,828 | 3.4% | 32,502 | 3.3% | 41,844 | 3.1% | 1.4% |
| Manufacturing | 107,085 | 13.2% | 131,679 | 13.4% | 181,140 | 13.5% | 1.8% |
| TCU (2) | 42,266 | 5.2% | 52,438 | 5.4% | 72,094 | 5.4% | 1.8% |
| Trade | 172,315 | 21.3% | 210,404 | 21.5% | 285,824 | 21.3% | 1.7% |
| FIRE (3) | 34,114 | 4.2% | 41,530 | 4.2% | 56,576 | 4.2% | 1.7% |
| Services | 183,613 | 22.7% | 239,573 | 24.5% | 350,259 | 26.1% | 2.2% |
| Government | 150,522 | 18.6% | 162,524 | 16.6% | 209,600 | 15.6% | 1.1% |
| Non-Farm Proprietors | 62,971 | 7.8% | 76,281 | 7.8% | 109,723 | 8.2% | 1.9% |
| Total Employment | 810,360 | 100.0% | 979,150 | 100.0% | 1,343,371 | 100.0% | 1.7% |
| Non-Ag Wage and Salary (1) | 728,701 | %6.68 | 884,181 | 90.3% | 1,214,960 | 90.4% | 1.7% |
| | | | | | | | |

Both agriculture and non-ag wage and salary employment include agricultural services.
 Transportation, communications, and utilities.
 Finance, insurance, and real estate.
 Includes private household employment; excludes agricultural services.

Source: Utah Office of Planning and Budget, UPED Model.



ECONOMIC DEVELOPMENT ACTIVITIES

The goal of economic development activities is to manage Utah's economic, cultural, and human resource infrastructure. This management should be in a manner that will increase household income, facilitate job creation, increase out-of-state visitors, improve productivity, expand the state's tax base, and bring greater diversification to the economy, as well as provide Utah residents with an enhanced quality of life. To accomplish this goal, three basic strategies are being followed:

- Nurturing and assistance to existing Utah companies,
- Creation and development of new enterprises in Utah, and
- Recruitment of business and investment to Utah from outside the state.

Education and Infrastructure

Perhaps Utah's greatest asset in recruiting businesses and investment is the quality of its workforce. New and expanding firms in Utah benefit from the availability of well-educated workers with a strong work ethic. In Utah, as well as nationally, the trend in the workplace is clearly toward increased educational requirements for new entrants into the labor force and for the continual retraining of current employees.

To maintain this quality workforce, Utah provides a high level of financial support for its education system. In 1990 Utah ranked fifth among states in state and local expenditures for both public and higher education per \$1,000 of personal income. Utah also ranked third in state and local expenditures for higher education per \$1,000 of personal income. In addition, vocational programs range from those offered by five community colleges and five area vocational centers to "custom fit" training programs, short-term intensive training and high-technology training.

As a result, Utah ranks among the leading states in the educational attainment of its population. Utah is second in the nation in percent of persons 25 and older who have completed high school and also has the highest literacy rate in the nation.

A second prerequisite for economic growth and development is transportation infrastructure. Transportation is becoming a major consideration in living, working and doing business in Utah. Three railroads, an international airport that is the 28th busiest in the country, and an east-west / north-south interstate highway system combine to provide the Utah economy with an excellent transportation system.

However, with highway traffic counts and public transportation ridership increasing approximately 10 percent per year, congestion is growing along the Wasatch Front. Although a recent light rail initiative was not approved in Salt Lake County, there are still plans to widen I-15 from Davis County to Utah County and to complete the West Valley highway.

In addition, unlike other metropolitan airports, the Salt Lake City International Airport has acquired adequate property for future expansion. This capability to expand services, terminals and runways should ensure the future quality of air service in Utah without the problems and delays associated with congestion and overcrowding.

Utah's ability to educate its residents, enhance and expand the state's infrastructure, and meet the economic, social, health, and cultural needs of its residents is directly related to the level of Utah's business growth. The Utah Department of Community and Economic Development has developed several programs to assist new and existing businesses.

New and Existing Business Expansions

Through economic development efforts, and aided by favorable media coverage, Utah has received positive reviews in such publications as *Forbes, Fortune, Money, Time, The Economist,* the *New York Times,* and *Financial World.* Over 44 companies made official site visits during 1992 and in the past year 25 companies relocated to Utah. Altogether, new companies have brought approximately 3,000 new jobs and over \$66 million in payroll to Utah. These economic development efforts have been emphasized by Governor Bangerter's task forces on aerospace, biomedical, and information technology, along with groups such as the Utah Information Technologies Association and the Utah Biomedical Council.

Among the companies new to Utah are:

- Payless Drugs (Weber County);
- Piper Impact, an airbag housing and base manufacturer (Summit County);
- OEA, an airbag inflator manufacturer (Box Elder County);
- Lucas Western, an aerospace parts supplier (Summit County);
- Anderson-Hickey, a steel furniture manufacturer (Iron County);
- E.S.A.M., an electronics manufacturer (Washington County);
- Weider Foods (Salt Lake County);
- and Cressona Aluminum (Utah County).

Overall, Utah has seen strong growth in the areas of business services, auto parts manufacturing, and finance, insurance, and real estate. Expanding companies such as Franklin Quest International, Novell Inc., WordPerfect, Morton International (airbag manufacturers), and Discover Card have added another 3,000 jobs to the Utah economy.

Within business services, employment in computer-related services, led by Novell Inc., and WordPerfect Corp., has grown by a third in the past two years to over 9,000 jobs. Payroll has grown even more rapidly with average salary levels above \$35,000 per year. Also in business services, such companies as Franklin Quest International and Matrixx telemarketing deserve mention. This diverse industry group has grown over 50 percent in the past year and now employs almost 8,000 Utahns.

Despite an overall modest decline in manufacturing employment in 1991 and no growth in 1992, motor vehicle parts and accessories manufacturing (principally Morton International's airbag division and its supplier companies) has grown rapidly to become a major industry in the state. With a growth rate of 100 percent in the last four years, almost 3,000 Utahns are now employed in motor vehicles and equipment manufacturing, with average annual wages in the top 20 percent for Utah. The next two to three years are expected to see continued strong growth, and employment in this sector may double again.

Another sector that has experienced outstanding growth in the past year is personal credit institutions, notably Discover Card. This industry has grown from 1,100 employees in 1990 to 1,900 in 1991. With the potential of Prime Option Services adding several thousand more jobs, this industry is poised for even faster growth; and while average salaries are not in the same category as those of motor vehicle parts, salary rates are still above the state average.

International Business

The past year has been highly successful for Utah's international business development. Utah now has five overseas offices in Japan, Korea, Taiwan, Austria and Mexico. Recruitment of international corporations has resulted in the following recent arrivals: Artma from Austria, Compeq Manufacturing from Taiwan, and Forval, Daifuku and ICIS from Japan. In all, from 1990 to 1991, Utah exports were up 13.4 percent to a new high of \$2.06 billion. Continued strong growth is projected for 1992 increasing exports from 5.6 percent to 6.3 percent of the gross state product.

In addition, the Utah International Business Development Program has established several resource databases that include the International Procurement Database (Pronto); Utah Export Database, which contains exporting Utah

companies; Utah Client Database; International Financial Database; the National Trade Data Bank; and the High-Tech Database.

Tourism and the Olympics

Travel and tourism represent one of the most important activities in the Utah economy. The travel industry has enjoyed steady growth over the past decade and continues to grow at a rate faster than that of the overall economy. Out-of-state travelers spent an estimated \$2.9 billion in Utah in 1991. Approximately 61,000 Utahns were employed in travel-, tourism-, and recreation-related jobs in 1991.

The long term outlook is for travel and tourism in Utah to continue growing faster than the economy as a whole. This is especially true given favorable media coverage in recent years resulting from the relative strength of Utah's economy and the state's efforts to secure the Winter Olympic Games. Although Salt Lake City eventually placed second to Nagano, Japan in the quest for the 1998 Winter Olympic Games, Salt Lake City is the United States candidate for the 2002 Winter Olympic Games.

The selection for the 2002 host city will be made at the International Olympic Committee meetings in Budapest, Hungary in 1995. While the outlook for a successful bid is promising, regardless of the outcome the favorable image of the state's winter sports facilities will continue to build tourism and enhance the quality of life in Utah.

Technology and Capital Availability

For the past several years government, education, and the private sector have worked toward the goal of improving access to new technology and capital for business investment. Utah has established a number of programs to foster this investment.

The Utah Centers of Excellence Program seeks to create economic growth by helping Utah businesses access university technology to improve their products and services. In 1992 there were 24 centers located at Utah's colleges and universities, representing developments in the areas of aerospace, natural resources/agriculture, biomedical and information technologies.

Presently funded Centers have been issued 54 patents and entered into 60 licensing agreements. In the past year 14 businesses have been created through the Centers of Excellence Program, including Advanced Laminate Technology, Rocky Mountain Engineering, Medi-Sight, Performance Composites, Helix Technologies, Mountain Lamb Co-op, Engineering Geometry Systems, FemtoScan Corporation, and Technology Management Associates.

To increase the availability of growth capital for high-tech companies, the Utah Office of Business Creation has put together the Investor's Mentoring Group (IMG). The IMG is comprised of Utahns with experience building successful businesses and venture capitalists representing over \$4 billion in funds. Local mentors are helping these venture capitalists find and evaluate potential Utah investments, as well as providing post-investment direction to ensure their success.

In the past year the state-wide network of nine Small Business Development Centers (SBDC) was extended into the Uintah Basin. The SBDC provided business counseling assistance to 1,149 small businesses, a substantial increase in program activity and outreach. Also, the Innovation Assistance Program was created in conjunction with the SBDC to help private inventors bring their ideas and products to market.

The Utah Technology Finance Corporation provides grants and loans to small Utah businesses for new products and start-ups with sound technology and promise for commercial success and growth. Funding is used for development ventures such as prototyping, testing, or refinement, and is intended to provide seed money to bring a product or service from creation into commercialization.

The Descret Certified Development Company (Descret CDC), created with initial state financial support, is licensed by the U.S. Small Business Administration (SBA) to provide long term financing to expanding businesses. The Descret CDC has created SBA-insured loans totaling \$8.8 million and continues to expand. In addition, in 1991

the Capital Access Program was created by the Utah State Legislature to encourage commercial lending in slightly higher-risk areas such as new businesses, high technology businesses, or business in rural areas.

Finally, the Industrial Assistance Fund was also established in 1991 by the Utah State Legislature. The Industrial Assistance Fund is a \$10 million incentive fund that can be used by any company that can demonstrate an ability to: 1) generate over \$10 million per year of new expenditures (including payroll) in Utah for five years; and 2) show that the new Utah expenditures with vendors and subcontractors are 5.7 times as great per year as the loan received.

Rural Economic Development

In 1988 the Utah State Legislature passed the Utah Enterprise Zone Act. Within these zones, a manufacturing firm which creates new jobs or invests in new plants or equipment is eligible for corporate franchise or personal income tax credits. To date, over 40 businesses have qualified for Enterprise Zone tax credits.

Utah Small Cities, Inc. is a nonprofit corporation involving local and regional economic development interests in a coordinated effort to identify and address rural economic development issues.

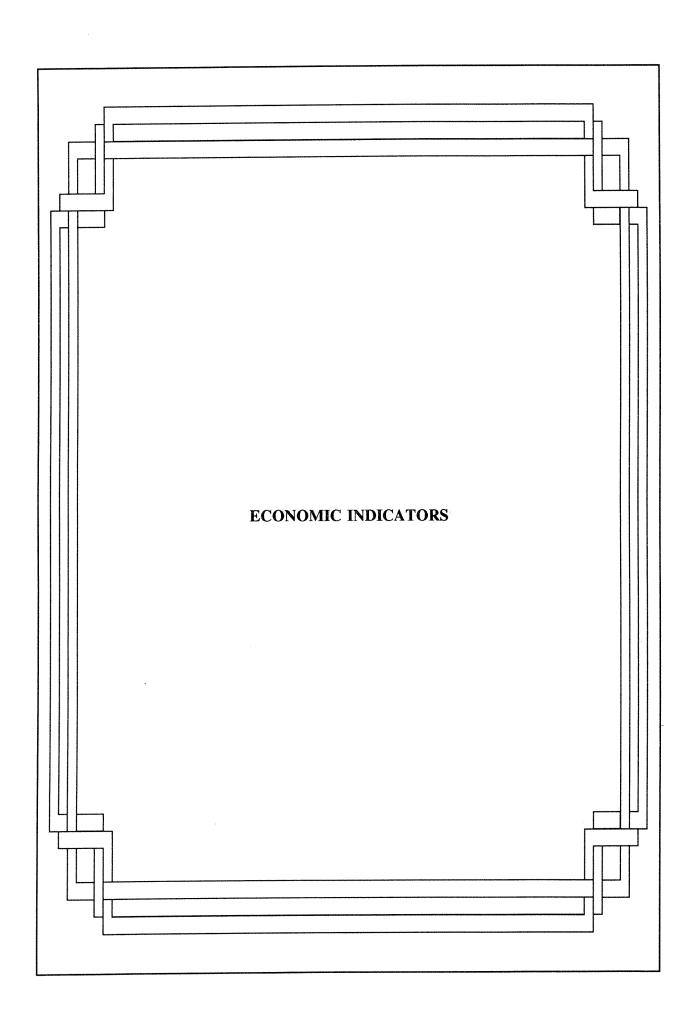
A rural Utah tourism report has been issued by a group composed of the Utah Office of Planning and Budget, the Department of Community and Economic Development, and the Bureau of Economic and Business Research. This report discusses issues, trends, financing, infrastructure and recommendations for tourism in rural Utah.

Economic Development and Employer Planning System

The Utah Economic Development and Employer Planner System (EDEPS) database is now available from the Department of Community and Economic Development. EDEPS is an analytic tool designed primarily for business and economic planners.

EDEPS contains national, state, and area data that are organized to facilitate analysis of economic health, industry performance, population trends, income characteristics, and market potential. It also helps users analyze business opportunities and best locations, examine labor supply and demand, identify training resources, and study other factors that play a role in decision-making regarding business expansion or retention and new firm start-ups.

More information about any of the programs outlined in the sections above may be obtained by calling the Division of Business and Economic Development, (801) 538-8700.



LABOR MARKET ACTIVITY

Highlights

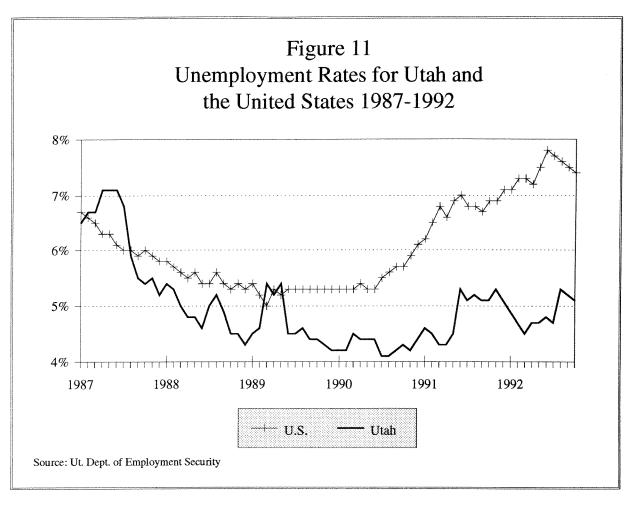
The following 12 items highlight labor market activity in Utah in 1992:

- Utah's 1992 unemployment rate remained unchanged from the 1991 figure of 4.9 percent.
- Some of the unemployment in 1991 and 1992 occurred due to in-migration.
- In 1992, Utah added 22,000 new nonfarm jobs for a growth rate of 3.0 percent. Job growth rates improved steadily throughout year.
- Utah felt the effects of the national downturn and defense spending cuts in 1992, but avoided the recession.
- Construction showed the highest growth rate (10 percent) of any major industry (for the second year in a row), while services added the highest number (8,200) of net additions.
- □ Mining was the only industry to show employment losses 200 jobs.
- Government expansion remained relatively slow because of defense cutbacks.
- Total wages were up over 7 percent, while the average monthly wage expanded 4 percent in 1992.
- Utah's average wage was about 1 percent higher than the CPI inflation in 1992.
- Roughly 71 percent of the population 16 years and older was in the labor force in 1992.
- Young people, women, and men in Utah all show higher rates of labor force participation than their national counterparts.
- Utahns are more likely to work part-time than the U.S. labor force in general.

The Utah Labor Market

While the U.S. economy limped along, Utah managed a moderate labor market performance in 1992. The state saw steady, if not robust job growth, while expansion nationally fell far behind the state's moderate 3 percent lead. Utah consistently ranked near the top of the nation in job creation during 1992. The state started the year with very low unemployment — just above 4 percent. However, toward the end of summer, unemployment took a decided jump to 5.3 percent. Ironically, Utah's relatively strong economy seems to be the reason behind this surge in joblessness. The rise came primarily from an influx of out-of-state workers looking for work. Utah's "good figures" attracted many unemployed individuals from depressed areas. Table 4 present Utah labor force data.

Overall, 1992 unemployment averaged 4.9 percent — equal to the 1991 rate. An average of 40,000 individuals were out of work during 1991 — only 1,000 more than last year. For most of the year, Utah's unemployment rate registered between 2.5 and 3.0 percentage points below the national average — the largest gap in over 30 years (Figure 11 and Table 5).



During 1992, Utah added roughly 22,000 new nonfarm jobs for a growth rate of 3.0 percent (Figure 12 and 13). This rate equaled the growth rate experienced in 1991 — although different industrial sectors fared differently in the two years. Utah continued to create jobs while the nation struggled to maintain positive expansion.

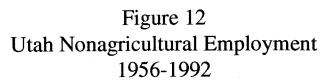
Construction continued its unusually strong performance in 1992. Usually during any kind of national slowdown, Utah's goods-producing industries feel the economic squeeze (Figure 14). However, in 1991 and 1992, construction showed the highest growth rate of all the major industries — an astounding 10 percent (3,100 jobs). A strong housing market and a few large nonresidential projects kept this sector humming.

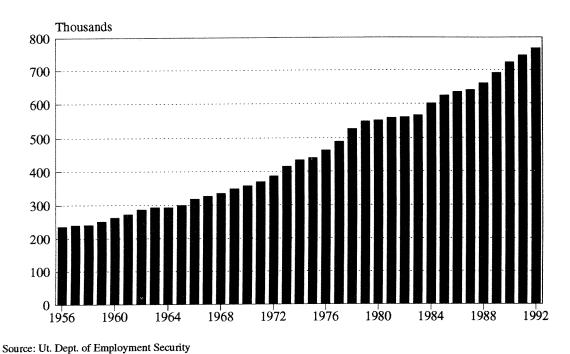
The other two goods-producing industries did not fare quite as well. Mining lost 200 jobs as mines continued to close and productivity increased. After holding out against the national recession for many months, manufacturing succumbed to the economic pressure with a net decline in employment during part of the year, yet despite the U.S. downturn and cuts in defense spending, manufacturing managed a slight (0.4 percent, 300 jobs) gain. Particularly hard hit by defense cuts and the U.S. recession were the electronics industry and the aerospace sector. However, other manufacturing categories — such as motor vehicle parts, food products, and sporting / athletic equipment — picked up the slack with strong expansion.

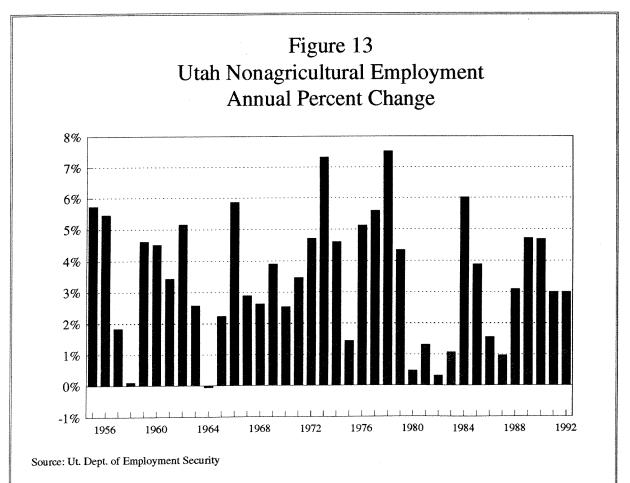
Transportation, communications, and utilities added only 1,400 new jobs in 1992 (Figure 15). While air transportation recouped its previous losses, other sectors showed job growth by year end.

Services showed stronger than average growth with an expansion rate over 4 percent and the largest number of new jobs — 8,200. Computer services (software companies) and medical services provided much of the new employment in this sector.

Finance, insurance, and real estate generated 1,300 new jobs in 1992, a growth of 3.6 percent. The location of several new financial services centers in the state was the primary cause of this relatively strong employment expansion.

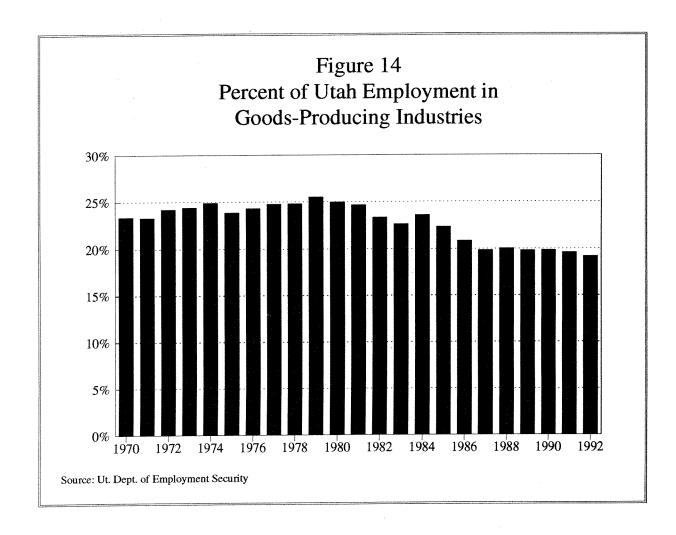






Trade experienced average expansion. The addition of several new large retail stores pushed this sector's employment total up roughly 3.0 percent — a net increase of 5,100 jobs. The entrance of several factory outlets and national stores boosted retail trade employment in 1992.

Government managed to add 2,900 new jobs in 1992 despite substantial cutbacks in federal defense employment. Robust growth on the part of state and local governments more than offset the losses in federal employment. Government ended 1992 with a 2 percent growth rate. Table 6 and 7 provide employment by industry. Table 8 and 9 list Utah's largest employers.



Construction 4% Mining 1% Government 17% Manufacturing 17% Trans/Comm/Utilities 5% Figure 15 Employment by Industry 1991 Services 26% Manufacturing 14% Trade 23% Fin/Ins/Real Estate 6% Construction 4% Mining 1% Government 21% Trans/Comm/Utilities 6% Source: Ut. Dept. of Employment Security Utah Services 25% Trade 24% Fin/Ins/Real Estate 5%

Wages

Expansion in wages proved even stronger than employment growth. Final 1992 figures are expected to show a 7.1 percent increase in total nonfarm wages. This figure compares favorably to the 3 percent growth in jobs.

Utah's average monthly wage reflected the sturdy expansion in total wages (Figure 16 and Table 10). The state's 1992 average monthly wage is expected to reach \$1779 — up 4 percent from 1990. Utah annual pay as a percentage of U.S. annual pay has declined from a high of 96 percent in 1981 to a low of 84.9 percent in 1991 (Figure 17). Nevertheless, in 1992, Utah workers actually saw their wages increase 1 percent faster than inflation.

The loss of high paying goods-producing jobs in the early- and mid- 1980s contributed to this overall decline. However, Utah's demographics may also play a part. Utah has a large percentage of young people in the labor market and a younger labor force in general. Young people are usually paid less than older workers. In addition, Utah also has a higher percentage of individuals working part-time than the U.S. in general, which also tends to pull the average wage down. However, a lower cost of living helps offset the lower average wage.

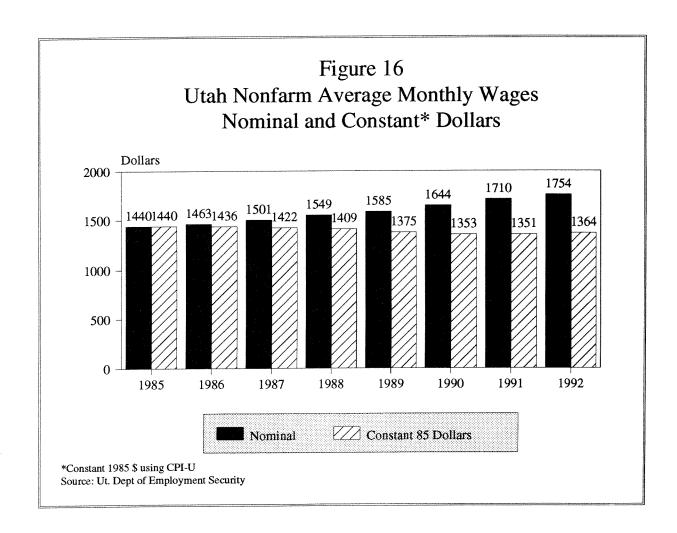
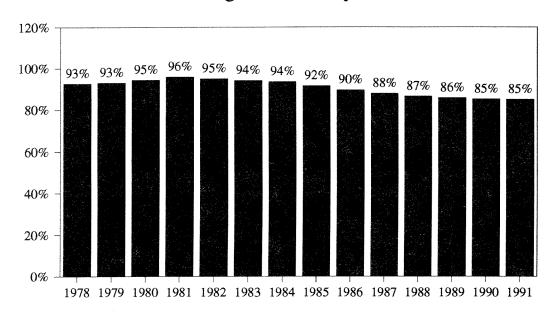


Figure 17 Utah Average Annual Pay* as a Percent of U.S. Average Annual Pay*: 1978-1991



*For workers covered by unemployment isurance

Source: U.S. Bureau of Labor Statistics

Labor Force Characteristics

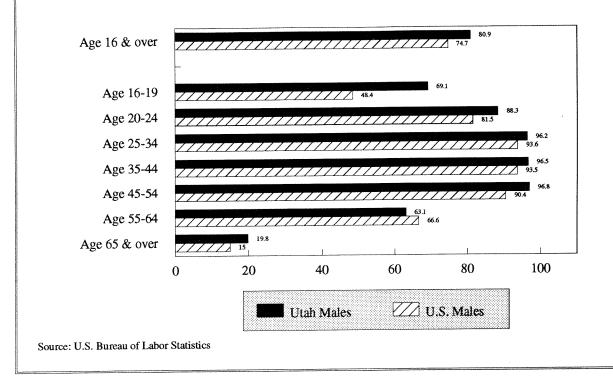
What was the composition of Utah's labor force in 1991 (the most recent data available)? Roughly 71 percent of the state's civilian, noninstitutionalized population — over the age of 16 — participated in the labor force during the year. This "participation rate" ranks significantly higher than the national average of 66 percent. Both Utah women (61 percent) and Utah men (81 percent) take part in the labor market than national counterparts (57 and 76 percent respectively). Tables 11 through 14 provide characteristics of the Utah labor force.

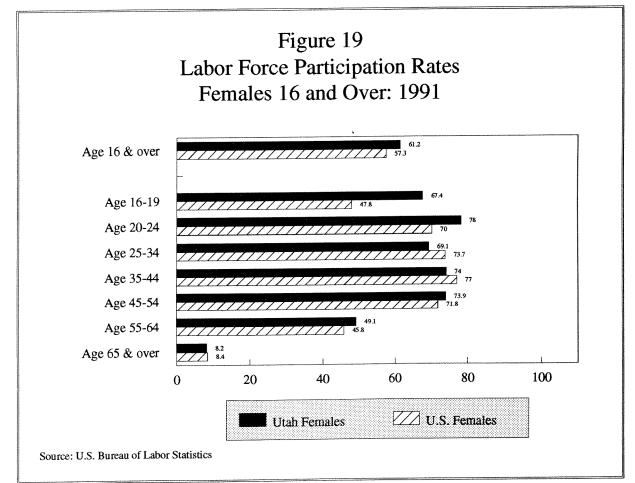
Not surprisingly, individuals between the ages of 20 and 54 are most likely to be in the state's work force. The participation rate for this group averages about 84 percent. Men between the ages of 25 and 34 were the most likely to work — 96 percent were labor force members. However, women between the ages of 20 and 24 participated in the labor force at the highest rate — 78 percent (Figures 18 and 19).

Just why are Utahns more likely to work than their national counterparts? Is it just Utah's much touted work ethic? Not entirely, Utah has a relatively young population, and young people are more likely to work — particularly given recent trends toward early retirement. Plus, Utah's teenagers are much more likely to work than U.S. teenagers in general. In Utah, 68 percent of 16-19 year olds are working or looking for work compared with 52 percent nationally. In addition, Utah's relatively large families and lower than average wages may require families to embrace more than one wage earner. These factors coupled with Utahns' relatively high education levels and "work ethic" account for most of the difference between Utah and U.S. participation rates.

Single (never married) Utahns are most likely to work — 77 percent participate in the labor force. However, never married men (79 percent) are less likely to work than married men (83 percent), while single women (74 percent) are more likely to work than married females (60 percent). Those in the "other marital status" group (separated, divorced, widowed) are least likely (of both sexes) to be labor force members — 52 percent of women and 74 percent of men. Of course, this "other" group includes a larger number of older people — participation rates include those over 65 years of age.

Figure 18 Labor Force Participation Rates Males 16 and Over: 1991





Roughly 96 percent of experienced Utah workers are employed in nonagricultural industries. Trade, services, and government each employ about one-fifth of the experienced labor force. Government employs a noticeably larger share of individuals in Utah than it does in the nation generally. This stems from the state's large school age population which requires a large number of jobs in the educational sector. Manufacturing employs another 17 percent of experienced Utah workers. Smaller sectors include mining (less than 1 percent); construction (5 percent); transportation, communications, and utilities (6 percent); and finance, insurance, and real estate (6 percent). Agriculture accounts for only 4 percent of experienced workers, while about 10 percent of Utahns are self-employed.

Occupational Outlook 1992 to 1997

Occupational projections and trends mirror trends in Utah industries. The product or service delivered by the state's 300 different industries determines the kinds and levels of workers needed to satisfy the demand.

Of eight major occupational categories, (representing the 700 job titles), by far the largest — both in number of jobs and number of different job titles — is the production, operating, and maintenance category. One-fourth of the total 841,200 jobs in 1992 is included in this group. During the five-year period, 18,400 new employment positions will swell the ranks of this category; expansion will average 1.7 percent per year, exactly the same as the growth rate for all occupations.

After production-related occupations, clerical occupations account for the next largest share of jobs in Utah. Over 144,000 individuals are employed in this group, which will add 10,600 new positions. Although this is a substantial number of employment opportunities, the rate of job creation in the clerical category (1.5 percent per year) is slower than the rate for all occupations. This slower rate of job creation is due in part to the rapid infusion of productivity enhancing computer technology into the office environment.

Higher than average rates of growth are anticipated in the sales and service categories. Sales occupations will realize a 1.8 percent per year rate of employment growth with service occupations feeling a 2.0 percent per year increase. Increases in the sales and service job categories result from the increase in demand for goods and services in the trade and services industry categories.

Employment in the professional occupational category will grow by 9,800 new jobs over the five-year period. Professional occupations, as a group, will experience a slower than average rate of job growth of 1.5 percent per year.

Technical occupations will enjoy the fastest rate of job growth of any of the eight job categories. Although small in terms of total jobs, this category will experience the quickest pace of job creation with a rate of 2.3 percent per year or 4,600 new jobs over the five-year period.

Management and administrative occupations account for a small 6.8 percent portion of total employment. By 1997 some 5,900 new positions are projected in this category — 2.1 percent — over the five year period.

Employment in agricultural occupations will continue to claim the smallest number of new jobs — less than 800 new jobs will be added to the count of workers in agricultural occupations in Utah over the 1992 to 1997 period.

Managerial / administrative, technical, sales, and service occupational groups will increase their share of total jobs between 1992 and 1997. Those occupational groups just holding their own or declining in their share of total jobs are production / operating / maintenance, professional, clerical, and agriculture.

Each year of the five-year projections period will yield an average of 35,000 job openings. Most of these will originate not from growth in the economy, but from the net number of openings created when workers leave one occupation and move to another. In fact, 20,600 jobs will result from net movement within the labor market. The remaining 14,400 will occur from new job creation in the labor market.

Training Requirements of Utah Jobs

During the 1992-to-1997 period, roughly 44 percent of jobs in Utah will call for short term training of less than six months, another 40 percent will require training from six months up to, but not including a baccalaureate (B.S.) degree, and 16 percent will call for a B.S. degree or more. The trend in training requirements shows a slightly declining percent of jobs requiring a B.S. degree with an increase in jobs calling for six months and up to a B.S. degree.

Conclusion

On the surface, 1992 seems to be a repeat of 1991. Both the unemployment rate and the nonfarm job growth rate were identical in both years. However, Utah ended 1991 in a decline. But, the state completed 1992 on the upswing — with the rate of job expansion increasing and unemployment declining. The state also managed on of the best labor market performances in the nation, attracting many workers from out-of state.

Table 4
1991 Utah Labor Force, Employed and Unemployed Persons
by District and County

| Planning District | Civilian | | | Unemployment |
|-------------------|-------------|----------|------------|--------------|
| and County | Labor Force | Employed | Unemployed | Rate |
| State Total | 804,000 | 735,000 | 39,000 | 4.9% |
| State Total | 804,000 | 733,000 | 39,000 | 4.9% |
| Bear River | 49,513 | 47,420 | 2,092 | 4.2% |
| Box Elder | 16,278 | 15,548 | 730 | 4.5% |
| Cache | 32,363 | 31,023 | 1,340 | 4.1% |
| Rich | 872 | 850 | 23 | 2.6% |
| Wasatch Front | 531,881 | 507,084 | 24,796 | 4.7% |
| North | 157,639 | 149,619 | 8,020 | 5.1% |
| Davis | 80,527 | 76,899 | 3,628 | 4.5% |
| Morgan | 1,629 | 1,527 | 102 | 6.3% |
| Weber | 75,484 | 71,194 | 4,290 | 5.7% |
| South | 374,241 | 357,465 | 16,776 | 4.5% |
| Salt Lake | 363,299 | 347,105 | 16,194 | 4.5% |
| Tooele | 10,942 | 10,360 | 583 | 5.3% |
| Tooele | 10,542 | 10,500 | 505 | 5.5 % |
| Mountainland | 133,467 | 127,331 | 6,136 | 4.6% |
| Summit | 8,621 | 8,052 | 570 | 6.6% |
| Utah | 120,204 | 114,995 | 5,209 | 4.3% |
| Wasatch | 4,642 | 4,284 | 358 | 7.7% |
| Central | 20,824 | 19,255 | 1,569 | 7.5% |
| Juab | 2.185 | 2,043 | 142 | 6.5% |
| Millard | 5,023 | 4,782 | 241 | 4.8% |
| Piute | 388 | 332 | 56 | 14.4% |
| Sanpete | 6,228 | 5,600 | 628 | 10.1% |
| Sevier | 5,974 | 5,554 | 420 | 7.0% |
| Wayne | 1,026 | 945 | 82 | 8.0% |
| Southwestern | 36,683 | 34,678 | 2,005 | 5.5% |
| Beaver | 1.986 | 1,892 | 94 | 4.7% |
| Garfield | 1,514 | 1,324 | 190 | 12.5% |
| Iron | 9,418 | 8,965 | 452 | 4.8% |
| Kane | 2,511 | 2,326 | 186 | 7.4% |
| Washington | 21,254 | 20,171 | 1,083 | 5.1% |
| Hintoh Dogin | 12 161 | 10.050 | 002 | 4 OM |
| Uintah Basin | 13,161 | 12,259 | 903 | 6.9% |
| Daggett | 494 | 480 | 14 | 2.8% |
| Duchesne | 4,480 | 4,119 | 361 | 8.1% |
| Uintah | 8,187 | 7,659 | 528 | 6.4% |
| Southeastern | 18,478 | 16,978 | 1,500 | 8.1% |
| Carbon | 8,047 | 7,456 | 591 | 7.3% |
| Emery | 3,271 | 2,960 | 311 | 9.5% |
| Grand | 3,214 | 2,978 | 236 | 7.3% |
| San Juan | 3,947 | 3,585 | 362 | 9.2% |
| | | | | |

Source: Utah Department of Employment Security, Labor Market Information Services.

Table 5 Utah Unemployment Rates by District and County

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991(p |
|---------------|------|------|------|------|------|------|--------|
| | | | | | | | |
| State Total | 5.9 | 6.0 | 6.4 | 4.9 | 4.6 | 4.3 | 4. |
| Bear River | 4.8 | 4.3 | 4.5 | 3.8 | 3.8 | 4.0 | 4. |
| Box Elder | 4.5 | 4.1 | 4.3 | 3.8 | 3.8 | 4.4 | 4. |
| Cache | 5.1 | 4.4 | 4.5 | 3.8 | 3.9 | 3.9 | 4. |
| Rich | 3.7 | 5.1 | 5.8 | 4.0 | 2.0 | 2.9 | 2. |
| Wasatch Front | 5.3 | 5.4 | 5.8 | 4.7 | 4.5 | 4.1 | 4. |
| North | 4.9 | 5.5 | 6.0 | 5.1 | 5.0 | 4.7 | 5. |
| Davis | 4.0 | 4.8 | 5.3 | 4.4 | 4.3 | 4.1 | 4. |
| Morgan | 6.5 | 7.2 | 8.3 | 7.0 | 8.2 | 5.9 | 6. |
| Weber | 5.9 | 6.2 | 6.7 | 5.8 | 5.6 | 5.4 | 5. |
| South | 5.5 | 5.3 | 5.7 | 4.5 | 4.3 | 3.9 | 4. |
| Salt Lake | 5.5 | 5.3 | 5.6 | 4.5 | 4.3 | 3.8 | 4. |
| Tooele | 6.0 | 6.3 | 7.4 | 5.6 | 4.6 | 5.3 | 5. |
| Mountainland | 6.8 | 6.7 | 7.3 | 4.6 | 4.6 | 3.9 | 4. |
| Summit | 7.8 | 8.6 | 8.6 | 6.5 | 6.2 | 5.7 | 6. |
| Utah | 6.5 | 6.3 | 6.9 | 4.3 | 4.3 | 3.7 | 4.: |
| Wasatch | 11.3 | 13.3 | 13.5 | 8.7 | 8.3 | 6.6 | 7. |
| Central | 8.9 | 10.2 | 10.0 | 7.9 | 7.2 | 6.5 | 7.: |
| Juab | 15.5 | 15.8 | 15.3 | 9.7 | 7.7 | 6.4 | 6.: |
| Millard | 5.5 | 6.6 | 7.5 | 5.6 | 5.2 | 4.2 | 4.3 |
| Piute | 13.3 | 14.8 | 12.6 | 12.7 | 7.6 | 11.4 | 14. |
| Sanpete | 13.2 | 14.9 | 13.4 | 11.2 | 10.4 | 9.1 | 10. |
| Sevier | 7.4 | 7.9 | 7.4 | 6.0 | 5.6 | 5.5 | 7.0 |
| Wayne | 8.1 | 9.4 | 9.4 | 6.9 | 6.4 | 7.5 | 8.6 |
| Southwestern | 6.0 | 5.9 | 6.3 | 4.9 | 4.9 | 4.7 | 5.: |
| Beaver | 6.1 | 6.8 | 6.3 | 5.4 | 5.3 | 4.9 | 4. |
| Garfield | 13.5 | 12.3 | 12.2 | 8.6 | 9.5 | 10.5 | 12. |
| Iron | 6.2 | 6.3 | 6.5 | 4.9 | 4.7 | 4.5 | 4.3 |
| Kane | 8.6 | 7.1 | 7.6 | 6.1 | 6.9 | 6.1 | 7. |
| Washington | 4.7 | 4.8 | 5.4 | 4.4 | 4.3 | 4.2 | 5. |
| Uintah Basin | 9.1 | 13.1 | 13.2 | 9.2 | 8.5 | 6.7 | 6.9 |
| Daggett | 3.9 | 4.1 | 3.4 | 2.8 | 2.0 | 1.5 | 2.8 |
| Duchesne | 10.5 | 15.4 | 16.4 | 12.0 | 10.6 | 8.1 | 8.1 |
| Uintah | 8.5 | 12.0 | 11.8 | 8.0 | 7.7 | 6.3 | 6.4 |
| Southeastern | 10.9 | 10.7 | 10.9 | 8.6 | 8.1 | 7.1 | 8. |
| Carbon | 10.0 | 10.1 | 10.3 | 8.5 | 8.2 | 6.4 | 7.3 |
| Emery | 12.9 | 12.6 | 14.9 | 9.3 | 7.6 | 8.0 | 9. |
| Grand | 13.1 | 12.9 | 11.0 | 8.8 | 9.5 | 7.2 | 7.3 |
| San Juan | 9.0 | 8.2 | 8.4 | 7.9 | 7.4 | 7.5 | 9.2 |

p = preliminary Source: Utah Department of Employment Security, Labor Market Information Services.

Table 6 Utah Labor Force, Nonagricultural Jobs and Wages

| | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992(p) | Percent Change 86-87 | Percent Change 87-88 | Percent Change 88-89 | Percent Change 89-90 | Percent Change 90-91 | Percent Change 91-92 |
|--|---|--|--|---|---|--|--|--|--|--|--|--|---|
| Civilian Labor Force (thousands) Employed Unemployed Unemployed | 754.0 709.0 45.0 6.0% | 757.0 709.0 48.0 6.4% | 759.0 722.0 37.0 4.9% | 789.0 752.0 37.0 4.6% | 792.0 758.0 34.0 4.3% | 804.0 765.0 39.0 4.9% | 813.0 773.0 40.0 4.9% | 0.4% 0.0% 6.7% | 0.3% 1.8% -22.9% | 4.0% 4.2% 0.0% | 0.4% 0.8% -8.1% | 1.5% 0.9% 14.7% | 1.1% 1.0% 2.6% |
| Nonagricultural Jobs (thousands) Mining Construction Manufacturing Trans., Comm., and Util. Trade Finance, Ins., and Real Estate Services Government | 634.1 7.8 32.2 92.1 37.5 152.4 32.9 137.9 141.3 | 640.3 8.0 26.7 92.5 37.9 152.6 33.8 147.5 | 660.1 8.1 25.0 99.0 39.4 156.5 33.4 155.9 | 691.2 8.1 25.9 103.1 40.9 166.4 33.4 167.2 | 723.6 8.6 27.8 107.1 42.3 172.4 34.1 180.8 | 745.2 8.6 31.5 105.7 42.4 178.8 35.8 188.4 154.0 | 767.5 8.4 34.6 106.1 43.8 183.9 37.2 196.6 156.9 | 1.0% 2.6% -17.1% 0.4% 1.1% 0.1% 7.0% 0.1% | 3.1% 1.2% -6.4% 7.0% 4.0% 2.6% -1.2% 5.7% 0.8% | 4.7% 0.0% 3.6% 4.1% 3.8% 6.3% 0.0% 7.2% | 4.7% 6.2% 7.3% 3.9% 3.4% 2.1% 8.1% | 3.0% 0.0% 13.3% -1.3% 0.2% 3.7% 5.0% 4.2% 2.3% | 3.0% -2.3% 9.8% 0.4% 3.3% 2.9% 4.4% 1.9% |
| Nonagricultural Wages (millions) 11,131 Average Monthly Wage 1,463 Adjusted for Inflation (1985\$) 1,436 | 11,131 1,463 1,436 | 11,536 1,501 1,422 | 12,271 1,549 1,409 | 13,148 1,585 1,375 | 14,275 1,644 1,353 | 15,294 1,710 1,351 | 16,380 1,779 1,364 | 3.6% 2.6% -1.0% | 6.4% 3.2% -0.9% | 7.1% 2.3% -2.4% | 8.6% 3.7% -1.6% | 7.1% 4.0% -0.1% | 7.1% 4.0% 1.0% |

(p) = preliminary Source: Utah Department of Employment Security, Labor Market Information Services.

Table 7
1991 Nonagricultural Employment in Utah
by District, County and Major Industry

| Government | 153,959 | 10.800 | 2.178 | 8.442 | 189 | 106 081 | 39.462 | 20,380 | 299 | 18,784 | 66 619 | 579 09 | 5,643 | 000 | 0,00,1 | 007,1 | 217,51 | 6/0 | 5,123 | 483 | 946 | 117 | 2,005 | 1,296 | 274 | 6,874 | 490 | 411 | 2,568 | 486 | 2,851 | 3,149 | 213 | 1,348 | 1,589 | 4.833 | 2,024 | 846 | 605 | 1,357 |
|--|-------------|------------|-----------|--------|------|---------------|---------|--------|--------|--------|---------|-----------|--------|--------------|--------|--------|---------|----------|---------|-------|---------|--------|---------------------------|-------|----------|--------------|------------|------|-------|------------|-------------|--------------|---------|---------------|--------|--------------|--------|-------|-------------------|---------|
| Services and Misc. | 188,360 | 6.057 | 1.279 | 4.711 | 19 | 127360 | 26.654 | 10.252 | 54 | 16,349 | 100.705 | 99.530 | 1,175 | *** | 41,140 | 27,72 | CK0,16 | 701 | 2,254 | 386 | 466 | = ; | 437 | 906 | ક | 6,819 | 188 | 531 | 1,600 | 452 | 4,049 | 1,894 | 83 | 414 | 1,396 | 2.836 | 1,340 | 281 | 557 | 657 |
| Finance, Insurance, and Real Estate | 35,852 | 901 | 261 | 809 | 32 | 101.00 | 3.822 | 1,526 | 16 | 2,280 | 25.905 | 25.753 | 152 | 0000 | 3,398 | 2304 | 46,294 | f | 353 | 28 | 71 | S | 116 | 127 | 7 | 992 | 38 | 23 | 233 | 4 | 959 | 194 | 0 | 98 | 107 | 286 | 139 | 37 | 73 | 38 |
| Trade | 178,753 | 8 032 | 2,766 | 5,181 | 88 | 126.813 | 29.496 | 14,623 | 350 | 14,524 | 97.318 | 95.885 | 1,433 | 020.30 | 23,309 | 72,177 | 111.62 | ŝ | 3,585 | 501 | 669 | 500 | 088 | 1,390 | 86 | 8,106 | 394 | 205 | 2,179 | 4/4 | 4,855 | 2,451 | 36 | 793 | 1,621 | 3,795 | 1,923 | 4 | 939 | 493 |
| Transportation Communications, and Utilities | 42,421 | 050 | 332 | 612 | 15 | 33,337 | 4.557 | 2,436 | 10 | 2,111 | 28.781 | 28,468 | 313 | 017.0 | 2,719 | 0380 | 85 | 3 | 1,331 | 37 | 719 | 13 | 123 | 426 | 13 | 1,466 | 157 | 98 | 328 | 9 8 | 088 | 1,110 | 32 | 455 | 623 | 1,498 | 436 | 788 | 112 | 101 |
| Manufacturing | 105,733 | 16.805 | 7,981 | 8,820 | 4 | 69.373 | 19,227 | 7,564 | 233 | 11,431 | 50,146 | 49,193 | 953 | 14 532 | 458 | 13 975 | 66 | . | 1,640 | 318 | 120 | 36 | 069 | 612 | 01 | 2,474 | 98 ; | 1/4 | 617 | 70 . | 1,434 | 352 | 0 | 146 | 206 | 557 | 307 | 16 | 8 ; | 1/4 |
| Construction | 31,528 | 1.596 | 505 | 1,090 | 0 | 21,869 | 5,223 | 2,903 | 74 | 2,246 | 16,646 | 16,325 | 321 | 4 847 | 424 | 4 141 | 282 | | 787 | 125 | 286 | 0 071 | 166 | 52 | 76 | 1,517 | 4 : | 19 | 243 | 1176 | 1,170 | 315 | m | 122 | 190 | 869 | 149 | 273 | \$; | 711 |
| Mining | 965,8 | Ξ | 10 | _ | 0 | 3,188 | 77 | 69 | 0 | 7 | 3,112 | 2,884 | 227 | 186 | 115 | 72 | 0 | | 588 | 73 | 197 | - 0 | 310 | 010 | 0 | 251 | 7 0 | y (| 70 51 | 771 | 001 | 1,609 | 0 | \$ | 1,161 | 2,953 | 1,359 | 1,000 | 168 | 420 |
| Total | 745,202 | 45,170 | 15,312 | 29,465 | 392 | 517,748 | 128,518 | 59,753 | 1,036 | 37,732 | 389,232 | 379,013 | 10,217 | 109.881 | 8,273 | 99,046 | 2,567 | | 15,661 | 1,951 | 3,504 | 7 430 | 04,44 04,420 04,420 | 560 | 8 | 28,499 | 1,401 | 4,1 | 46, 1 | 1,00,1 | 10,001 | 11,298 | 367 | 3,854 | 7,075 | 16,942 | 7,625 | 3,437 | 2,280 | 5C4,6 |
| | State Total | Bear River | Box Elder | Cache | Rich | Wasatch Front | North | Davis | Morgan | Weber | South | Salt Lake | Tooele | Mountainland | Summit | Utah | Wasatch | | Central | Juab | Millard | Supate | Sevier | Wayne | om fan i | Southwestern | Deaver | Less | Kane | Washington | wasimigioni | Uintah Basin | Daggett | Duchesne | Uintah | Southeastern | Carbon | Emery | Crand Sen Inen | ови зми |

Source: Utah Department of Employment Security, Labor Market Information Services.

Table 8
Utah's Largest Private and Public Nonagricultural Employers
Ranked by Employment Size
March 1992

| Rank | Firm Name | Approximate Employment |
|------|------------------------------------|---------------------------|
| 1 | University of Utah | 14,00 |
| 2 | Brigham Young University | 13,50 |
| 3 | Hill Air Force Base | 11,00 |
| 4 | Granite School District | 7,50 |
| 5 | U.S. Treasury Dept. | 6,50 |
| 6 | Thiokol Corporation | 6,50 |
| 7 | Smith's Food King | 6,0 |
| 8 | Jordan School District | 6,0 |
| 9 | Utah State University | 5,5 |
| 10 | Davis School District | 5,0 |
| 11 | Utah Social Services | 5,0 |
| 12 | Delta Airlines | 4,56 |
| 13 | Salt Lake County | 4,0 |
| 14 | U.S. Post Office | 4,0 |
| 15 | Alpine School District | 3,50 |
| 16 | Albertsons | 3,50 |
| 17 | Salt Lake School District | 3,56 |
| 18 | WordPerfect | 3,50 |
| 19 | ZCMI | 3,50 |
| 20 | Tooele Army Depot | 3,50 |
| 21 | Hercules | 3,0 |
| 22 | Pacific Corp. | 3,0 |
| 23 | U.S. West Communications | 3,0 |
| 24 | LDS Hospital | 3,0 |
| 25 | Basic Manufacturing & Technology | 3,0 |
| 26 | Weber School District | 3,0 |
| 27 | Matrixx Marketing | 2,5 |
| 28 | Kennecott Mining | 2,5 |
| 29 | Weber State University | 2,5 |
| 30 | Salt Lake City Corp. | 2,5 |
| 31 | U.S. Defense Depot-Ogden | 2,5 |
| 32 | K Mart | 2,5 |
| 33 | Healthtrust, Inc. | 2,50 |
| 34 | Utah Valley Regional Medical Cntr | 2,0 |
| 35 | Sears Roebuck & Company | 2,00 |
| 36 | McKay-Dee Hospital | 2,00 |
| 37 | Shopko Stores | 2,00 |
| 38 | U.S. Veterans Administration Hosp. | 2,00 |
| 39 | First Security Bank of Utah | 2,00 |
| 40 | Morton International | 2,00 |
| 41 | Proform Fitness | 2,00 |
| 42 | Zions First National Bank | 2,00 |
| 43 | Provo School District | 2,00 |
| 44 | Primary Children's Medical Center | 2,00 |
| 45 | FHP of Utah | 2,00 |
| 46 | Utah Dept. of Transportation | 2,00 |
| 47 | Fred Meyer Incorporated | 1,50 |
| 48 | American Express Company | 1,50 |
| 49 | Union Pacific Railroad | 1,50 |
| 50 | Utah State Corrections | 1,50 |

Table 9
Utah's Largest Private Nonagricultural Employers
Ranked by Employment Size
March 1992

| Rank | Firm Name | Approximate Employment |
|----------|--|---------------------------|
| 1 | Brigham Young University | 13,500 |
| 2 | Thiokol Corporation | 6,500 |
| 3 | Smith's Food King | 6,000 |
| 4 | Delta Airlines | 4,500 |
| 5 | Albertsons | 3,500 |
| 6 | WordPerfect | 3,500 |
| 7 | ZCMI | 3,500 |
| 8 | Hercules | 3,000 |
| 9 | Pacific Corp. | 3,000 |
| 10 | U.S. West Communications | 3,000 |
| 11 | LDS Hospital | 3,000 |
| 12 | Basic Manufacturing & Technology | 3,000 |
| 13 | Matrixx Marketing | 2,500 |
| 14 | Kennecott Mining | 2,500 |
| 15 | K Mart | 2,500 |
| 16 | Healthtrust, Inc. | 2,500 |
| 17 | Utah Valley Regional Medical Cntr. | 2,000 |
| 18 | Sears Roebuck & Company | 2,000 |
| 19 | McKay-Dee Hospital | 2,000 |
| 20 | Shopko Stores | 2,000 |
| 21 | First Security Bank of Utah | 2,000 |
| 22 | Morton International | 2,000 |
| 23 | Proform Fitness | 2,000 |
| 24 | Zions First National Bank | 2,000 |
| 25 | Primary Children's Medical Center | 2,000 |
| 26 | FHP of Utah | 2,000 |
| 27 | Fred Meyer Incorporated | 1,500 |
| 28 | American Express Company | 1,500 |
| 29 | Union Pacific Railroad | 1,500 |
| 30 | Wal-Mart Stores | 1,500 |
| 31 | JC Penney Company | 1,500 |
| 32 | O.C. Tanner Manufacturing | 1,500 |
| 33 | SOS Service | 1,500 |
| 34 | PST Vans Inc. | 1,500 |
| 35 | Harmon City | 1,500 |
| 36 | Holy Cross Hospital | 1,500 |
| 37 | Discover Card | 1,500 1,500 |
| 38 39 | Mountain Fuel Supply Abbott Laboratories | 1,500 |
| 40 | NuSkin International | 1,500 |
| 41 | Novell, Inc. | 1,500 |
| 42 | 7-Eleven Stores | 1,500 |
| 43 | Pizza Hut | 1,500 |
| 43 44 | First Security Service Co. | 1,500 |
| 45 | United Parcel Service | 1,500 |
| 46 | Deseret Industries | 1,000 |
| 47 | Unisys Defense Systems | 1,000 |
| 48 | CR England & Sons | 1,000 |
| 49 | St. Marks Hospital | 1,000 |
| 50 | Cottonwood Hospital | 1,000 |

Table 10 Utah Average Monthly Wage by Industry

| Industry | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | Percent Change 1986-87 | Percent Change 1987-88 | Percent Change 1988-89 | Percent Change 1989-90 | Percent Change 1990-91 |
|----------------------------|-------|-------|-------|-------|-------|-------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Total Nonagricultural Jobs | 1,463 | 1,501 | 1,549 | 1,585 | 1,644 | 1,710 | 2.6% | 3.2% | 2.3% | 3.7% | 4.0% |
| Mining | 2,758 | 2,708 | 2,820 | 2,905 | 2,976 | 3,002 | -1.8% | 4.1% | 3.0% | 2.4% | 0.9% |
| Construction | 1,636 | 1,665 | 1,742 | 1,799 | 1,843 | 1,917 | 1.8% | 4.6% | 3.3% | 2.4% | 4.0% |
| Manufacturing | 1,864 | 1,896 | 1,968 | 2,009 | 2,066 | 2,125 | 1.7% | 3.8% | 2.1% | 2.8% | 2.9% |
| TCU | 2,087 | 2,175 | 2,270 | 2,355 | 2,424 | 2,552 | 4.2% | 4.4% | 3.7% | 2.9% | 5.3% |
| Trade | 1,052 | 1,063 | 1,103 | 1,133 | 1,173 | 1,231 | 1.0% | 3.8% | 2.7% | 3.5% | 4.9% |
| FIRE | 1,568 | 1,641 | 1,702 | 1,760 | 1,818 | 1,907 | 4.7% | 3.7% | 3.4% | 3.3% | 4.9% |
| Services | 1,226 | 1,315 | 1,350 | 1,385 | 1,458 | 1,534 | 7.3% | 2.7% | 2.6% | 5.3% | 5.2% |
| Government | 1,574 | 1,597 | 1,625 | 1,663 | 1,735 | 1,805 | 1.5% | 1.8% | 2.3% | 4.3% | 4.0% |

Notes: TCU = Trade, Communication and Utilities. FIRE = Fire, Insurance and Real Estate. Source: Utah Department of Employment Security, Labor Market Information Services.

Table 11
Utah and U.S. Labor Force Participation Rates

| | 1950 | 1960 | 1970 | 1980 | 1990 | 1991 - |
|--------|------|------|------|------|------|--------|
| | | | | | | |
| UTAH | 52.2 | 57.4 | 58.4 | 64.2 | 70.5 | 70.8 |
| Male | 82.5 | 82.3 | 77.4 | 79.3 | 80.5 | 80.9 |
| Female | 25.3 | 33.5 | 41.5 | 49.8 | 60.6 | 61.2 |
| U.S. | 54.0 | 60.0 | 58.0 | 62.0 | 66.4 | 65.6 |
| Male | 80.0 | 83.3 | 79.7 | 75.1 | 76.1 | 74.7 |
| Female | 30.0 | 37.7 | 43.3 | 49.9 | 57.5 | 57.3 |

Source: Utah Dept. of Employment Security and U.S. Dept. of Labor, Bureau of Labor Statistics.

Table 12 Characteristics of Utah Unemployed Persons 1991 Annual Averages

| | Total | | Males | | Females | |
|---|--------|---------|--------|---------|---------|---------|
| | Number | Percent | Number | Percent | Number | Percent |
| Total Unemployed | 39,000 | 100.0% | 21,000 | 100.0% | 18,000 | 100.0% |
| Age of Unemployed | | | | | | |
| 16-19 Years | 10,000 | 25.6% | 5,000 | 23.8% | 5,000 | 27.8% |
| 20-24 Years | 8,000 | 20.5% | 4,000 | 19.0% | 4,000 | 22.2% |
| 25-34 Years | 10,000 | 25.6% | 5,000 | 23.8% | 5,000 | 27.8% |
| 35-44 Years | 6,000 | 15.4% | 4,000 | 19.0% | 2,000 | 11.1% |
| 45-54 Years | 4,000 | 10.3% | 3,000 | 14.3% | 1,000 | 5.6% |
| 55+ Years | 2,000 | 5.1% | 1,000 | 4.8% | 1,000 | 5.6% |
| Marital Status | | | | | | |
| Single, Never Married | 17,000 | 43.6% | 10,000 | 47.6% | 8,000 | 44.4% |
| Married, Spouse Present | 16,000 | 41.0% | 8,000 | 38.1% | 7,000 | 38.9% |
| Other: Widowed, Divorced, and Separated | 7,000 | 17.9% | 3,000 | 14.3% | 3,000 | 16.7% |
| Length of Unemployment | | | | | | |
| Less than 5 Weeks | 18,500 | 47.4% | 8,200 | 39.0% | 10,300 | 57.2% |
| 5-14 Weeks | 12,200 | 31.3% | 7,400 | 35.2% | 4,800 | 26.7% |
| 15-26 Weeks | 5,000 | 12.8% | 3,200 | 15.2% | 1,800 | 10.0% |
| 27 Weeks and Over | 3,300 | 8.5% | 2,200 | 10.5% | 1,100 | 6.1% |
| Full and Part-Time Status | | | | | | |
| Looking for Full-time Work | 28,000 | 71.8% | 17,000 | 81.0% | 11,000 | 61.1% |
| Looking for Part-time Work | 11,000 | 28.2% | 4,000 | 19.0% | 7,000 | 38.9% |

Note: Numbers may not add due to rounding. Source: U.S. Bureau of Labor Statistics.

65

Table 13 Duration of Unemployment in Utah As a Percent of Total Unemployed

| | Less Than 5 Weeks | 5-14 Weeks | 15 Weeks + | 27 Weeks + |
|------|-------------------|------------|------------|------------|
| 1991 | 47.5 | 31.2 | 21.3 | 8.6 |
| 1990 | 50.0 | 29.4 | 20.6 | 8.8 |
| 1989 | 47.4 | 28.9 | 23.7 | 7.9 |
| 1988 | 47.3 | 34.3 | 37.6 | 7.5 |
| 1987 | 50.2 | 27.2 | 22.6 | 10.2 |
| 1986 | 45.9 | 32.2 | 21.9 | 10.7 |
| 1985 | 46.7 | 32.2 | 21.1 | 9.8 |
| 1984 | 47.3 | 29.9 | 22.7 | 11.1 |
| 1983 | 37.3 | 32.0 | 30.3 | 15.0 |
| 1982 | 38.2 | 36.6 | 25.3 | 10.1 |
| 1981 | 49.6 | 29.9 | 20.5 | 8.9 |

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 14
Reasons for Unemployment in Utah
As a Percent of Total Unemployed

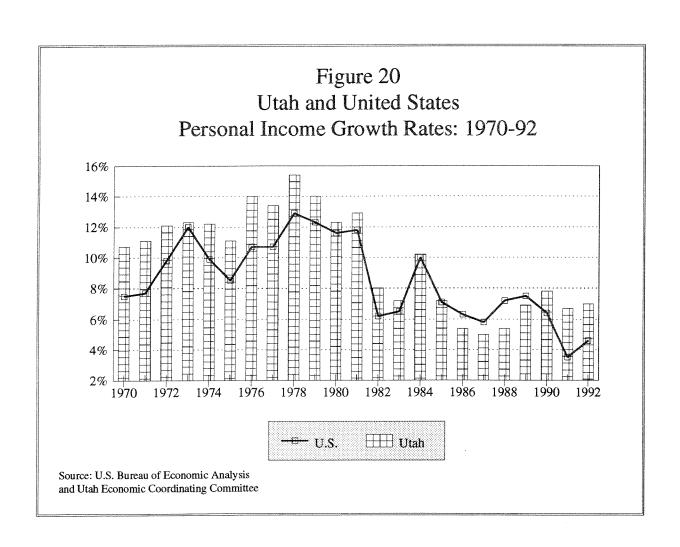
| 1991 45.2 17.1 37.7 1990 38.2 20.6 38.2 1989 42.1 23.7 34.2 1988 44.2 12.2 43.5 1987 45.7 12.8 41.5 1986 48.5 13.1 38.4 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 1081 45.0 16.1 38.8 | | Job Losers | Job Leavers | New and Re-entrants |
|---|------|---------------|----------------|------------------------|
| 1990 38.2 20.6 38.2 1989 42.1 23.7 34.2 1988 44.2 12.2 43.5 1987 45.7 12.8 41.5 1986 48.5 13.1 38.4 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | | | | |
| 1989 42.1 23.7 34.2 1988 44.2 12.2 43.5 1987 45.7 12.8 41.5 1986 48.5 13.1 38.4 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1991 | 45.2 | 17.1 | 37.7 |
| 1988 44.2 12.2 43.5 1987 45.7 12.8 41.5 1986 48.5 13.1 38.4 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1990 | 38.2 | 20.6 | 38.2 |
| 1987 45.7 12.8 41.5 1986 48.5 13.1 38.4 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1989 | 42.1 | 23.7 | 34.2 |
| 1986 48.5 13.1 38.4 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1988 | 44.2 | 12.2 | 43.5 |
| 1985 45.0 14.5 40.5 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1987 | 45.7 | 12.8 | 41.5 |
| 1984 44.3 10.8 44.9 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1986 | 48.5 | 13.1 | 38.4 |
| 1983 52.9 8.4 38.7 1982 57.5 9.0 36.5 | 1985 | 45.0 | 14.5 | 40.5 |
| 1982 57.5 9.0 36.5 | 1984 | 44.3 | 10.8 | 44.9 |
| | 1983 | 52.9 | 8.4 | 38.7 |
| 1081 450 161 388 | 1982 | 57.5 | 9.0 | 36.5 |
| 1701 45.0 10.1 50.0 | 1981 | 45.0 | 16.1 | 38.8 |

Source: U.S. Department of Labor, Bureau of Labor Statistics.

PERSONAL INCOME

Total personal income is defined as all income received by residents of an area. The statistical series comprising the components of total personal income, by area and by year, constitute the most extensive body of consistent economic information available for the nation, states, counties, and metropolitan areas. This entire data series was developed and is maintained by the Bureau of Economic Analysis (BEA) of the U.S. Department of Commerce. The Utah Department of Employment Security assists BEA in this service by providing wage and employment data by industry for the state and its counties.

Utah's 1992 total personal income (TPI) is forecast to be \$27.7 billion, up 7.0 percent from the 1991 total. This reflects a modest increase from 1991's growth of 6.7 percent. Utah's 1991 TPI grew at almost twice the rate of the U.S. TPI (3.5 percent). Thus, the relative strength of Utah's present economic expansion is clearly reflected in these TPI growth comparisons. Comparison of Utah and U.S. TPI growth rates for previous years from Table 18 and Figure 20 show that Utah has also weathered previous economic "hard times" relatively well.



Components of Personal Income

The largest single component of total personal income is "Earnings by Place of Work." As depicted in Table 16, this portion consists of the total earnings from both farm and nonfarm industries, including contributions for social insurance. It may also be viewed as the combined total of wages and salaries, other labor income, and proprietors' income — both farm and nonfarm.

In 1992, earnings by place of work was \$21.2 billion, representing 76 percent of TPI. Approximately 10 percent of this figure was proprietors' income, while 90 percent was wages, salaries, and other labor income. Nonfarm earnings was 99 percent of total earnings; farm income comprised only 1 percent. Private sector nonfarm industries accounted for 80 percent of nonfarm earnings, while earnings from public (government) industries made up 20 percent.

The other components of TPI are (1) dividends, interest, and rent (DIR), and (2) transfer payments. In 1992, DIR amounted to \$3.3 billion, and transfer payments were \$4.4 billion. These two components, plus "Earnings by Place of Residence," constitute TPI.

Some of the major differences between the economic compositions of Utah and the United States can be observed in Table 16. Perhaps the most significant is that Utah DIR comprise a somewhat smaller (11.9 vs. 17.2 percent) share of TPI than the national figure. Thus, Utahns must rely to a greater extent on earnings. The problem with this is that Utah's average wage is only 85 percent of the U.S. average. Due to these two factors, Utah's TPI is relatively lower than that of the U.S.

The industrial composition of Utah's TPI has changed in recent years. In 1980, prior to the recession periods, goods-producing industries (mining, construction, manufacturing) generated over 31 percent of Utah's total earnings. By 1992 that share had dropped to 24 percent. This means that service-producing industries (including government) correspondingly increased their importance — from 67 percent of total earnings in 1980 to 75 percent in 1991. These comparisons reflect the continuing historical shift from goods- to service-producing jobs in the state's economy. Similar shifts have been experienced nationally.

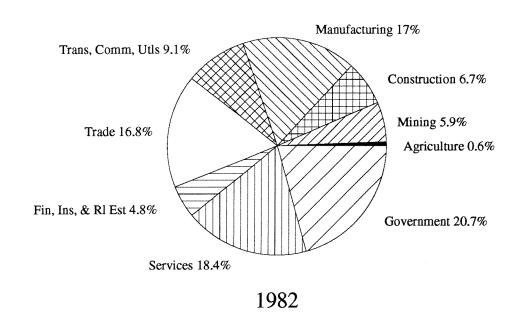
Four major industry sectors generate over three-fourths of Utah's total earnings. Services is the leader, providing 27 percent of earnings; government (including military) pays 20 percent. Both manufacturing and trade account for 16 percent of Utah's total earnings. Following these are transportation, communication, and utilities at 8 percent; construction, and finance, insurance, and real estate (FIRE) at 6 percent each; and mining at 2 percent of earnings. Agriculture and agricultural services make up the remaining 1 percent. Figure 21 illustrates these industrial shares of earnings for Utah for 1982 and 1992.

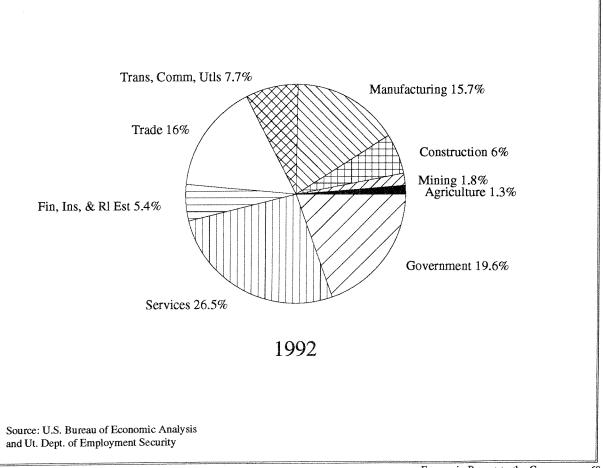
Per Capita Personal Income

Per capita personal income is an area's annual total personal income divided by the total population as of July 1 of that year. Utah's 1992 per capita personal income (PCI) is estimated at approximately \$15,221. From 1980 to 1991, Utah's real (inflation-adjusted) PCI (in 1992 dollars) increased only \$2,000, compared to the \$3,150 increase in the United States' real PCI.

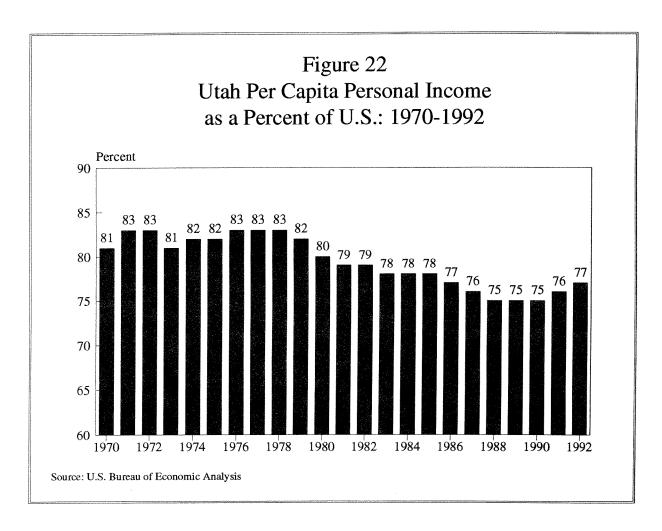
Utah's 1991 per capita personal income of \$14,568 was only 76 percent of the national PCI and ranked 48th among the 50 states. Because Utah's population has a large number of children (the result of many years of high birth rates), these PCI comparisons portray Utah as a low-income state. However, adult per capita income based on 1990 census adult population figures improves Utah's picture considerably: Utah's per capita income by this measure is 88 percent of the national figure. Similarly, Utah also compares more favorably to the rest of the U.S. when using household income data. Total personal income per household in 1991 in Utah was \$46,900, which is 89 percent of the nation's \$51,600 and ranks 28th in the nation.

Figure 21 Utah's Distribution of Earnings Income by Industry for 1982 and 1992





During the 1970's, Utah's PCI ranged between 81 and 83 percent of the United States PCI. However, as shown in Figure 22, from 1978 to 1988 this parameter dropped 8 percentage points — from 83 to 75 percent. But 1990, 1991, and 1992 saw improvements in this comparison — the 1992 figure stands at 77 percent, which is the highest level since 1987. Utah's PCI for 1989-92 is in Table 16.



County Personal Income

Eleven of Utah's counties posted double-digit 1990-91 growth in total personal income, up from six counties the previous year. Because these counties all had large nonfarm employment increases which led to large wage increases, their total personal income increased rapidly too. On the other end of the scale, Emery County's TPI declined by 4 percent, San Juan's lost 2 percent, and Sevier and Garfield's were virtually unchanged.

With few exception, the per capita income estimates in northern Utah's counties are considerably higher than those of the rest of the state. Summit County's \$21,800 leads Utah; San Juan County's \$8,000 is lowest. Interestingly, Carbon and Daggett are the only counties outside the northern Utah group with PCI's greater than the state figure. The 1991 per capita income of the United States, at \$19,092, is higher than that of all of Utah's counties except Summit and Daggett. Table 17 presents county and planning district TPI and PCI estimates for 1989 through 1991.

Table 15
Total Personal Income
Utah and U.S.

| - | Per Inc | otal sonal come lions) | Inc Gro | ome owth ates | Pe | Capita ersonal acome | Utah as a Percent |
|------|------------|---------------------------------|------------|---------------------|----------|----------------------------|----------------------|
| | Utah | U.S. | Utah | U.S. | Utah | U.S. | of U.S. |
| 1969 | \$3,167 | \$767,608 | | | \$3,024 | \$3,808 | 79.4 |
| 1970 | \$3,507 | \$824,823 | 10.7% | 7.5% | \$3,291 | \$4,047 | 81.3 |
| 1971 | \$3,898 | \$888,002 | 11.1% | 7.7% | \$3,541 | \$4,294 | 82.5 |
| 1972 | \$4,369 | \$974,980 | 12.1% | 9.8% | \$3,851 | \$4,659 | 82.7 |
| 1973 | \$4,908 | \$1,092,270 | 12.3% | 12.0% | \$4,199 | \$5,168 | 81.3 |
| 1974 | \$5,509 | \$1,200,646 | 12.2% | 9.9% | \$4,596 | \$5,628 | 81.7 |
| 1975 | \$6,123 | \$1,302,609 | 11.1% | 8.5% | \$4,962 | \$6,046 | 82.1 |
| 1976 | \$6,981 | \$1,442,315 | 14.0% | 10.7% | \$5,487 | \$6,630 | 82.8 |
| 1977 | \$7,918 | \$1,597,059 | 13.4% | 10.7% | \$6,015 | \$7,267 | 82.8 |
| 1978 | \$9,140 | \$1,802,908 | 15.4% | 12.9% | \$6,700 | \$8,118 | 82.5 |
| 1979 | \$10,417 | \$2,025,153 | 14.0% | 12.3% | \$7,356 | \$9,018 | 81.6 |
| 1980 | \$11,695 | \$2,259,383 | 12.3% | 11.6% | \$7,942 | \$9,942 | 79.9 |
| 1981 | \$13,202 | \$2,526,424 | 12.9% | 11.8% | \$8,712 | \$11,010 | 79.1 |
| 1982 | \$14,255 | \$2,684,308 | 8.0% | 6.2% | \$9,148 | \$11,587 | 79.0 |
| 1983 | \$15,277 | \$2,858,617 | 7.2% | 6.5% | \$9,578 | \$12,226 | 78.3 |
| 1984 | \$16,836 | \$3,145,329 | 10.2% | 10.0% | \$10,377 | \$13,336 | 77.8 |
| 1985 | \$18,042 | \$3,369,099 | 7.2% | 7.1% | \$10,980 | \$14,159 | 77.5 |
| 1986 | \$19,020 | \$3,580,700 | 5.4% | 6.3% | \$11,437 | \$14,910 | 76.7 |
| 1987 | \$19,978 | \$3,790,116 | 5.0% | 5.8% | \$11,903 | \$15,641 | 76.1 |
| 1988 | \$21,052 | \$4,063,785 | 5.4% | 7.2% | \$12,460 | \$16,618 | 75.0 |
| 1989 | \$22,503 | \$4,368,495 | 6.9% | 7.5% | \$13,192 | \$17,699 | 74.5 |
| 1990 | \$24,269 | \$4,649,706 | 7.8% | 6.4% | \$14,034 | \$18,639 | 75.3 |
| 1991 | \$25,890 | \$4,814,495 | 6.7% | 3.5% | \$14,586 | \$19,092 | 76.4 |
| 1992 | \$27,702 | \$5,036,000 | 7.0% | 4.6% | \$15,221 | \$19,718 | 77.2 |

Source: U.S. Bureau of Economic Analysis and Utah Department of Employment Security, Labor Market Information Services.

(Millions of Dollars, Except Percentages, Population, and Per Capita Personal Income) Components of Utah's Total Personal Income Table 16

| | | | | | | | | 19 | 1991 | | lt |
|-------------------------------|--------|--------|--------|----------|--------|--------|--------|-------------------------|-------------|--------------|-------|
| | | | | | 06-68 | 90-91 | 91-92 | Percentage Distribution | istribution | 1992 Utah | |
| | 1989 | 1990 | 1991 | 1992 (p) | Change | Change | Change | Utah | U.S. | Distribution | |
| Total Personal Income | 22,503 | 24,269 | 25,890 | 27,702 | 7.8% | 6.7% | 7.0% | 100.0% | 100.0% | 100.0% | T |
| Total Earnings - Place/Work | 17,144 | 18,549 | 19,785 | 21,180 | 8.2% | 6.7% | 7.1% | 76.5% | 71.7 | 76 5% | |
| Personal Cont. for Soc. Ins. | 1,041 | 1,124 | 1,231 | 1,307 | 7.9% | 9.6% | 6.1% | 4.7% | 4.9% | 4.7% | |
| Plus: Resid. Adjustment | 06 | 106 | 111 | 113 | 17.7% | 5.0% | 2.0% | 0.4% | 0.0% | 0.4% | |
| Equals: Earnings by Residence | 16,192 | 17,531 | 18,664 | 19,986 | 8.3% | 6.5% | 7.1% | 72.1% | 98.99 | 72.1% | |
| Dividends, Interest, & Rent | 3,079 | 3,209 | 3,288 | 3,294 | 4.2% | 2.5% | 0.2% | 11.9% | 17.2% | 11.9% | |
| Transfer Payments | 3,232 | 3,530 | 3,938 | 4,422 | 9.2% | 11.6% | 12.3% | 16.0% | 16.0% | 16.0% | |
| Components of Earnings | 17,144 | 18,549 | 19,785 | 21,180 | 8.2% | 6.7% | 7.1% | 76.5% | 71.7% | 76.5% | |
| Wages & Salaries | 14,069 | 15,240 | 16,310 | 17,453 | 8.3% | 7.0% | 7.0% | 63.0% | 58.1% | 63.0% | |
| Other Labor Income | 1,335 | 1,481 | 1,629 | 1,730 | 10.9% | 10.0% | 6.2% | 6.2% | 6.0% | 6.2% | |
| Proprietors' Income | 1,740 | 1,828 | 1,845 | 1,997 | 5.1% | 0.9% | 8.2% | 7.2% | 7.6% | 7.2% | |
| Farm | 172 | 190 | 153 | 171 | 10.4% | -19.3% | 11.9% | 0.6% | 0.7% | 0.6% | |
| Nonfarm | 1,568 | 1,639 | 1,692 | 1,828 | 4.5% | 3.3% | 8.0% | 99.9 | 6.9% | 6.6% | |
| Earnings by Industry | 17,144 | 18,549 | 19,785 | 21,180 | 8.2% | 6.7% | 7.1% | 76.4% | 71.7% | 100.0% | |
| Farm | 219 | 241 | 203 | 220 | 10.4% | -15.8% | 8.2% | 0.8% | 0.9% | 1.0% | |
| Nonfarm | 16,925 | 18,308 | 19,581 | 20,960 | 8.2% | 7.0% | 7.0% | 75.7% | 70.8% | %0.66 | |
| Private Sector | 13,483 | 14,604 | 15,622 | 16,800 | 8.3% | 7.0% | 7.5% | 60.6% | 58.9% | 79.3% | - |
| Ag Services, Etc. | 47 | 54 | 29 | 29 | 13.7% | 8.6 | 13.1% | 0.2% | 0.4% | 0.3% | |
| Mining | 335 | 360 | 365 | 373 | 7.6% | 1.2% | 2.3% | 1.3% | 0.7% | 1.8% | |
| Construction | 006 | 965 | 1,084 | 1,263 | 7.2% | 12.3% | 16.5% | 4.6% | 3.9% | 6.0% | |
| Manufacturing | 5,909 | 3,097 | 3,213 | 3,322 | 6.5% | 3.7% | 3.4% | 12.0% | 13.6% | 15.7% | |
| Irans., Commun., Utilities | 1,420 | 1,512 | 1,589 | 1,625 | 6.5% | 5.1% | 2.3% | 5.9% | 4.8% | 7.7% | |
| Wholesale Trade | 1,086 | 4.1 | 1,244 | 1,229 | 5.4% | 8.7% | -1.2% | 4.4% | 4.6% | 5.8% | |
| Ketail Trade | 1,700 | 1,837 | 1,932 | 2,155 | 8.0% | 5.2% | 11.6% | 7.8% | 6.9% | 10.2% | |
| Fin., Ins., Real Estate | 899 | 958 | 1,067 | 1,134 | 6.5% | 11.3% | 6.3% | 4.1% | 4.8% | 5.4% | |
| Services | 4,186 | 4,676 | 5,069 | 5,632 | 11.7% | 8.4% | 11.1% | 20.3% | 19.1% | 26.6% | |
| Government (Incl Military) | 3,442 | 3,704 | 3,959 | 4,160 | 7.6% | 6.9% | 5.1% | 15.0% | 11.9% | 19.6% | |
| Federal, Cilivian | 1,177 | 1,227 | 1,280 | 1,330 | 4.2% | 4.4% | 3.9% | 4.8% | 2.4% | 6.3% | |
| Military | 204 | 217 | 236 | 230 | 6.4% | 8.8% | -2.3% | 0.8% | 1.0% | 1.1% | - |
| State and Local | 2,062 | 2,260 | 2,444 | 2,600 | 6.6% | 8.1% | 6.4% | 9.4% | 8.5% | 12.3% | ***** |
| Per Capita Personal Income | 13,192 | 14,034 | 14,586 | 15.221 | 6.4% | 3.9% | 4.4% | | | | ***** |
| Population (thousands) | 1,706 | 1,729 | 1.775 | 1.820 | 1.3% | 2.7% | 2.5% | | | | _ |
| * | | | | | | ! | | | | | |

(p) = preliminary Source: U.S. Department of Commerce, Bureau of Economic Analysis, September 1992. Utah Department of Employment Security, Labor Market Information Services, November 1992.

Table 17
Total and Per Capita Income
By County and Multi-County District

| | | ersonal Income Millions) | | Percent | Percent | Per Capita | Personal Incom | ne | Percent | Percent |
|---------------------|-----------------------------|-----------------------------|------------|-----------------|-----------------|------------|----------------|----------|-----------------|-----------------|
| | 1989 | 1990 | 1991 | Change 89-90 | Change 90-91 | 1989 | 1990 | 1991 | Change 89-90 | Change 90-91 |
| State Total | \$22,503.0 | \$24,269.0 | \$25,890.0 | 7.8 | 6.7 | \$13,192 | \$14,034 | \$14,586 | 6.4 | 3 |
| Bear River | 1,362.5 | 1,468.3 | 1,547.6 | 7.8 | 5.4 | 12,698 | 13,495 | 14,000 | 6.3 | 3 |
| Box Elder | 536.4 | 575.5 | 583.6 | 7.3 | 1.4 | 14,829 | 15,721 | 15,800 | 6.0 | C |
| Cache | 802.4 | 866.7 | 935.0 | 8.0 | 7.9 | 11,582 | 12,290 | 13,000 | 6.1 | 5 |
| Rich | 23.7 | 26.1 | 29.1 | 10.1 | 11.3 | 13,337 | 15,290 | 17,100 | 14.6 | 11 |
| Wasatch Front | 15,413.2 | 16,662.0 | 17,698.8 | 8.1 | 6.2 | 14,098 | 15,028 | 15,600 | 6.6 | 3 |
| Nicolo | 4,648.2 | 5,039.8 | 5,319.8 | 8.4 | 5.6 | 13,342 | 14,269 | 14,700 | 7.0 | 3 |
| North Davis | 2,323.4 | 2,530.0 | 2,613.7 | 8.9 | 3.3 | 12,533 | 13,394 | 13,400 | 6.9 | (|
| | 2,323. 4 76.7 | 81.9 | 92.0 | 6.8 | 12.4 | 14,046 | 14,743 | 16,300 | 5.0 | 10 |
| Morgan Weber | 2,248.1 | 2,427.9 | 2,614.0 | 8.0 | 7.7 | 14,275 | 15,301 | 16,200 | 7.2 | 5 |
| | 10,765.0 | 11,622.2 | 12,379.0 | 8.0 | 6.5 | 14,452 | 15,383 | 16,000 | 6.4 | 4 |
| South | | 11,224.4 | 11,975.8 | 8.0 | 6.7 | 14,467 | 15,399 | 16,100 | 6.4 | 4 |
| Salt Lake Tooele | 10,390.1 374.9 | 397.8 | 403.2 | 6.1 | 1.4 | 14,043 | 14,967 | 14,900 | 6.6 | -4 |
| | 2.122.6 | 2 492 2 | 3,878.9 | 11.2 | 11.4 | 10,976 | 11,983 | 13,000 | 9.2 | |
| Mountainland | 3,132.6 | 3,482.3 | 360.2 | 9.2 | 13.2 | 19,330 | 20,285 | 21,800 | 4.9 | |
| Summit | 291.4 | 318.1 3,036.6 | 3,390.1 | 11.2 | 11.6 | 10,487 | 11,467 | 12,500 | 9.3 | |
| Utah | 2,729.6 111.6 | 127.6 | 128.7 | 14.3 | 0.8 | 11,165 | 12,603 | 12,100 | 12.9 | _ |
| Wasatch | 111.5 | 127.0 | | | | | | | . . | |
| Central | 557.7 | 597.8 | 659.5 | 7.2 | 10.3 | 10,643 | 11,430 | 12,300 | 7.4 | |
| Juab | 57.1 | 62.3 | 79.2 | 9.1 | 27.1 | 9,798 | 10,710 | 13,200 | 9.3 | . 2 |
| Millard | 129.3 | 140.8 | 158.3 | 8.9 | 12.4 | 11,197 | 12,491 | 13,700 | 11.6 | 1 |
| Piute | 12.9 | 14.1 | 15.7 | 9.3 | 11.4 | 9,964 | 11,097 | 11,700 | 11.4 | |
| Sanpete | 161.4 | 174.7 | 198.8 | 8.2 | 13.8 | 9,939 | 10,733 | 11,800 | 8.0 | ! |
| Sevier | 176.7 | 183.7 | 183.4 | 4.0 | -0.1 | 11,451 | 11,900 | 11,700 | 3.9 | - |
| Wayne | 20.3 | 22.2 | 24.2 | 9.4 | 8.8 | 9,373 | 10,185 | 11,000 | 8.7 | |
| Southwestern | 858.2 | 956.7 | 1,048.4 | 11.5 | 9.6 | 10,556 | 11,389 | 12,000 | 7.9 | |
| Beaver | 55.1 | 59.6 | 68.6 | 8.2 | 15.1 | 11,494 | 12,535 | 14,200 | 9.1 | 1 |
| Garfield | 47.9 | 51.2 | 51.1 | 6.9 | -0.1 | 12,078 | 12,840 | 12,500 | 6.3 | - |
| Iron | 203.8 | 228.4 | 233.3 | 12.1 | 2.1 | 9,854 | 10,964 | 10,900 | 11.3 | -4 |
| Kane | 56.1 | 60.0 | 62.3 | 7.0 | 3.8 | 11,037 | 11,542 | 11,900 | 4.6 | |
| Washington | 495.3 | 557.5 | 633.1 | 12.6 | 13.6 | 10,601 | 11,321 | 12,200 | 6.8 | |
| Uintah Basin | 377.7 | 410.3 | 446.5 | 8.6 | 8.8 | 10,492 | 11,558 | 12,200 | 10.2 | |
| Daggett | 10.2 | 11.5 | 14.1 | 12.7 | 22.8 | 14,659 | 16,701 | 20,200 | 13.9 | 2 |
| Duchesne | 142.7 | 153.9 | 169.8 | 7.8 | 10.3 | 11,053 | 12,245 | 13,300 | 10.8 | |
| Uintah | 224.8 | 244.9 | 262.6 | 8.9 | 7.2 | 10,026 | 11,053 | 11,400 | 10.2 | |
| Southeastern | 570.0 | 607.9 | 610.3 | 6.6 | 0.4 | 11,332 | 12,207 | 12,200 | 7.7 | - |
| Carbon | 285.3 | 302.3 | 303.8 | 6.0 | 0.5 | 13,928 | 15,002 | 14,800 | 7.7 | - |
| Emery | 108.7 | 114.4 | 109.3 | 5.2 | -4.4 | 10,322 | 11,135 | 10,700 | 7.9 | - |
| Grand | 80.8 | 88.0 | 96.1 | 8.9 | 9.2 | 11,949 | 13,378 | 14,200 | 12.0 | |
| San Juan | 95.2 | 103.2 | 101.0 | 8.4 | -2.1 | 7,611 | 8,145 | 8,000 | 7.0 | - |

Sources: 1989-1990: U.S. Department of Commerce, Bureau of Economic Analysis, May 1992.

1991: Utah Department of Employment Security.

Table 18
Personal Income Trends
Utah and U.S.

| | | | , | Averag | Average Annual Change | hange | Perce | Percent of U.S. Total | [otal |
|----------------------------------|---------------------|----------------------|----------------------|---------|-----------------------|--------------|------------------|-----------------------|------------------|
| | 1981 | 1986 | 1992 | 1981-86 | 1986-92 | 1981-92 | 1981 | 1986 | 1992 |
| Population (Thousands) | | | | | | | | | |
| U.S. Utah | 229,457 1,515 | 240,162 1,663 | 255,400 1,820 | 0.9% | 1.2% | 1.1% | 100.00% | 100.00% | 100.00% |
| Total Personal Income (Billions) | | | | | | | | | |
| U.S. Utah | \$2,526.4 \$13.2 | \$3,580.7 \$19.0 | \$5,036.0 \$27.7 | 7.2% | 7.1% | 7.1% | 100.00% | 100.00% | 100.00% |
| Per Capita Personal Income | | | | | | | | | |
| U.S. Utah | \$11,010 \$8,712 | \$14,910 \$11,437 | \$19,718 \$15,221 | 6.3% | 5.7% 5.9% | 6.0% 5.7% | 100.00% 79.1% | 100.00% | 100.00% 77.2% |

Sources: U.S. Department of Commerce: Bureau of Economic Analysis and Bureau of the Census. Utah Department of Employment Security, Labor Market Information Services.

GROSS STATE PRODUCT

Gross State Product (GSP) is the most complete, aggregate measure of a state's economic activity. GSP is the state counterpart of the nation's gross domestic product, which has now replaced gross national product as the primary measure of national output. The U.S. Department of Commerce, Bureau of Economic Analysis (BEA) defines GSP as the gross market value of all final goods and services produced by the labor and property located within a state. The measure is gross because it does not account for capital depreciation. Because GSP includes only the value of final goods and services and not intermediate goods and services, it measures what is commonly referred to as the total value added in a state's economy.

Although GSP is a valuable measure of economic activity, BEA does not currently recognize it as an administrative series and publishes GSP estimates irregularly. In November of this year, however, BEA established a formal Gross State Product Branch within the Regional Economics Division. As the demand for GSP data increases and the methodological obstacles are overcome, GSP estimates will be released more frequently and regularly.

The most recent GSP data available are for 1989, the same data that were published in last year's *Economic Report* to the Governor. In order to keep the most recent GSP data available in this report, last year's data have been included again. The BEA plans to release 1990 and 1991 estimates, along with revision for 1977-89, in July 1993.

GSP Concepts

The BEA prepares GSP estimates for 61 industries. For each industry, four main elements comprise GSP: compensation of employees; proprietors' income; indirect business taxes; and capital charges. Table 19 provides Utah GSP by major component from 1977 to 1989.

Because GSP measures output at market prices and prices change over time, a distinction is made between a change in the quantity of goods and services produced and a change in the prices paid for those products. Constant GSP is a better measure of output because it adjusts for inflation and measures the quantity of goods and services produced. GSP estimates are published in both current and constant 1982 dollars.

A significant limitation of constant dollar GSP estimates is that they are based on national price deflators by industry and do not reflect the variations in regional prices. Applying national price deflators can distort the true change in state-level output because inflation varies by geographic area. Particularly affected are the energy, construction, real estate, and state and local government sectors.

1989 GSP

In 1989 Utah's GSP measured \$28.1 billion, which is approximately 1/2 of 1 percent of total U.S. gross domestic product. Utah's total output in 1989 ranked 35th in the nation, the same ranking as Utah's population. Utah ranked 44th among the states in per capita GSP largely because of Utah's young population. Utah's per capita GSP was \$16,492 while the U.S. average was \$20,925. Table 20 provides GSP estimates by state from 1977 to 1989 and Table 21 provides GSP rankings.

GSP Growth

Utah's GSP growth rate was above the U.S. average between 1977 and 1989, ranking 17th among the 50 states. The state's average annual rate of growth over this time period was 8.9 percent, while the national average was 8.4 percent. In the Rocky Mountain Region, Utah's 8.9 percent rate of growth exceeded Colorado's 8.6 percent, Idaho's 7.4 percent, Montana's 6.2 percent, and Wyoming's 6.0 percent (Table 22).

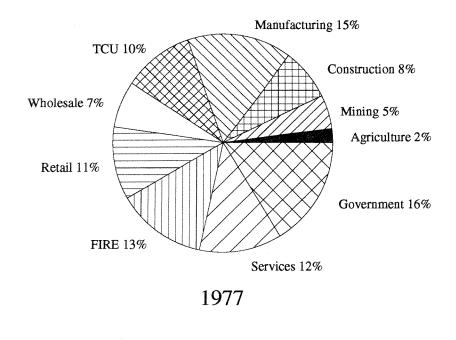
Between 1977 and 1984, Utah's annual rate of growth exceeded the nation's average. In 1984, however, the state began to experience economic slowdown and out-migration, and in 1985 its 7.0 percent annual rate of growth matched the U.S. average. Between 1985 and 1988, Utah's rate lagged behind the nation in GSP growth. In 1989, as the state's economy began to rebound, the two annual rates of growth were equal at 6.4 percent. Analysts expect Utah's 1990 and 1991 rates to be higher than the nation's because of Utah's strong economic performance, relative to the nation, over the past few years.

In real terms, Utah's GSP declined twice during the 12 year period: in 1982 during the national recession and in 1987 when the state experienced its own economic downturn. Overall, Utah's real average annual growth rate was 3.4 percent, while the national average was 2.9 percent. Table 23 shows Utah's GSP by industry from 1977 to 1989 in both current and constant dollars.

Industry Composition

In 1989, the services category was the state's largest industry in terms of GSP value. Of total GSP, Services contributed 17.5 percent. Following Services, Utah's 1989 GSP was comprised of: manufacturing, 16.5 percent; government, 15.5 percent; FIRE (finance, insurance and real estate), 14.6 percent; transportation, communications and utilities (TCU), 12.4 percent; retail trade, 9.5 percent; wholesale trade, 6.3 percent; construction, 3.9 percent; mining, 2.1 percent; and finally, agriculture, forestry and fisheries, 1.8 percent. GSP by industry and each industry's share of GSP are shown in Table 24 and Figure 23. For reference purposes GSP by detailed industry from 1977 to 1989 are provided in Table 25.

Figure 23 % Share of Gross State Product: Utah



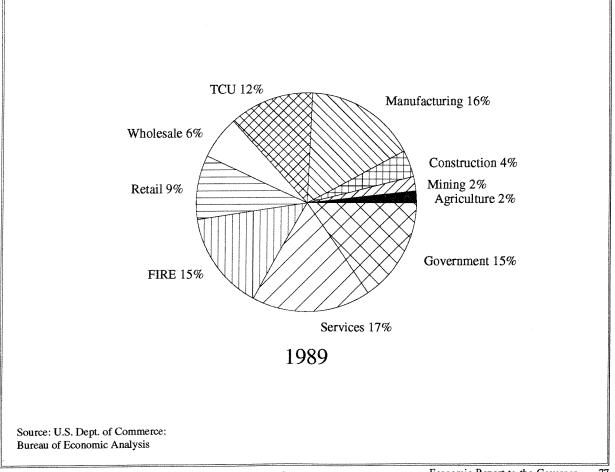


Table 19
Utah Gross State Product by Major Component
(Millions of Dollars)

| | Gross State Product | Percent of Total | Employee Compensation | Percent of Total | Proprietors' Income | Percent of Total | Indirect Business Taxes | Percent of Total |
|------|---------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|-------------------------------|------------------------|
| 1977 | 10,116 | 100.0% | 6,138 | 60.7% | 1,227 | 12.1% | 785 | 7.8% |
| 1978 | 11,839 | 100.0% | 7,119 | 60.1% | 1,354 | 11.4% | 899 | 7.6% |
| 1979 | 13,493 | 100.0% | 8,129 | 60.2% | 1,486 | 11.0% | 1,023 | 7.6% |
| 1980 | 15,003 | 100.0% | 9,059 | 60.4% | 1,514 | 10.1% | 1,190 | 7.9% |
| 1981 | 17,185 | 100.0% | 10,267 | 59.7% | 1,527 | 8.9% | 1,457 | 8.5% |
| 1982 | 18,018 | 100.0% | 10,961 | 60.8% | 1,438 | 8.0% | 1,522 | 8.4% |
| 1983 | 19,499 | 100.0% | 11,584 | 59.4% | 1,553 | 8.0% | 1,655 | 8.5% |
| 1984 | 21,988 | 100.0% | 12,773 | 58.1% | 1,786 | 8.1% | 1,933 | 8.8% |
| 1985 | 23,525 | 100.0% | 13,573 | 57.7% | 1,867 | 7.9% | 2,168 | 9.2% |
| 1986 | 23,985 | 100.0% | 14,012 | 58.4% | 2,074 | 8.6% | 2,267 | 9.5% |
| 1987 | 24,622 | 100.0% | 14,486 | 58.8% | 2,249 | 9.1% | 2,041 | 8.3% |
| 1988 | 26,450 | 100.0% | 15,464 | 58.5% | 2,452 | 9.3% | 2,297 | 8.7% |
| 1989 | 28,135 | 100.0% | 16,611 | 59.0% | 2,584 | 9.2% | 2,433 | 8.6% |

Source: United States Department of Commerce, Bureau of Economic Analysis, November 1991.

Table 20 Gross State Product by Region and State (Millions of Dollars)

| Region/State | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 |
|------------------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|-----------|
| New England | \$103,310 | \$115,312 | \$127,430 | \$139,362 | \$154,204 | \$163,800 | \$181,746 | \$205,160 | \$224,466 | \$247,849 | \$274,642 | \$301,104 | \$311,942 |
| - | 29,822 | 33,219 | 36,695 | 39,928 | 44,233 | 46,872 | 52,286 | 59,084 | 64,160 | 70,577 | 78,420 | 85,651 | 88,863 |
| Connecticut | 7,648 | 8,590 | 9,554 | 10,337 | 11,280 | 12,052 | 13,271 | 14,758 | 16,008 | 17,660 | 19,898 | 22,129 | 23,47 |
| Maine | 49,004 | 54,301 | 59,647 | 65,552 | 72,464 | 76,870 | 85,123 | 96,515 | 105,883 | 116,364 | 128,115 | 140,793 | 144,79 |
| Massachusetts | , | 7,368 | 8,440 | 9,336 | 10,521 | 11,530 | 13,135 | 14,855 | 16,698 | 19,209 | 21,831 | 23,812 | 24,50 |
| New Hampshire | 6,285 | | | 9,330 | 10,187 | 10,611 | 11,479 | 12,775 | 13,816 | 15,252 | 16,532 | 17,897 | 18,80 |
| Rhode Island | 7,112 | 7,814 | 8,597 | | | | 6,453 | 7,173 | 7,901 | 8,786 | 9,846 | 10,821 | 11,50 |
| Vermont | 3,440 | 4,019 | 4,498 | 4,926 | 5,520 | 5,864 | 0,433 | 1,173 | 7,901 | 6,760 | 9,040 | 10,021 | 11,00 |
| Mideast | 388,887 | 427,766 | 464,836 | 500,342 | 551,617 | 584,056 | 636,663 | 703,472 | 761,233 | 820,984 | 889,160 | 971,895 | 1,026,19 |
| Delaware | 5,623 | 6,097 | 6,544 | 7,040 | 7,710 | 8,297 | 9,098 | 9,963 | 10,756 | 11,449 | 12,823 | 14,275 | 15,41 |
| DC | 14,818 | 16,646 | 17,778 | 18,857 | 20,182 | 21,393 | 23,426 | 26,122 | 29,307 | 30,665 | 33,486 | 36,759 | 39,36 |
| Maryland | 34,144 | 37,918 | 41,300 | 44,352 | 49,364 | 52,225 | 57,889 | 64,461 | 70,855 | 77,385 | 84,623 | 92,707 | 99,07 |
| • | 66,396 | 73,756 | 81,051 | 88,594 | 98,239 | 106,422 | 118,658 | 132,825 | 144,978 | 158,745 | 174,714 | 193,034 | 203,37 |
| New Jersey | | | 199,492 | 215,239 | 238,885 | 254,991 | 277,996 | 306,928 | 332,461 | 358,767 | 384,983 | 419,903 | 441,06 |
| New York | 169,215 98,690 | 184,528 108,821 | 118,671 | 126,259 | 137,237 | 140,728 | 149,597 | 163,173 | 172,876 | 183,973 | 198,531 | 215,218 | 227,89 |
| Pennsylvania | 96,090 | 100,021 | 110,071 | 120,200 | 10,400, | 110,720 | | , | | | | | |
| Great Lakes | 389,173 | 433,274 | 468,697 | 481,752 | 521,929 | 525,453 | 559,353 | 622,684 | 660,968 | 700,746 | 742,568 | 802,069 | 849,14 |
| Illinois | 114,966 | 127,181 | 137,616 | 143,523 | 156,170 | 159,460 | 167,222 | 187,006 | 197,379 | 208,310 | 222,079 | 241,135 | 256,47 |
| Indiana | 48,176 | 53,879 | 58,404 | 59,633 | 64,706 | 64,455 | 68,086 | 76,455 | 80,359 | 85,223 | 91,231 | 98,243 | 105,31 |
| Michigan | 88,577 | 98,489 | 104,587 | 103,968 | 110,963 | 108,267 | 117,829 | 131,389 | 143,285 | 153,217 | 160,930 | 172,653 | 181,82 |
| Ohio | 97,331 | 108,574 | 117,863 | 121,552 | 132,747 | 133,893 | 143,468 | 158,529 | 167,648 | 177,159 | 186,385 | 201,478 | 211,54 |
| Wisconsin | 40,123 | 45,150 | 50,228 | 53,075 | 57,343 | 59,377 | 62,748 | 69,306 | 72,296 | 76,836 | 81,943 | 88,559 | 93,97 |
| ·· · | 1.40.00 | 160.014 | 100.076 | 199,337 | 222,457 | 228,339 | 237,253 | 265,905 | 278,318 | 289,715 | 305,244 | 325,025 | 348,52 |
| Plains | 148,907 | 168,914 | 189,076 | | | | 36,752 | 41,184 | 41,680 | 42,924 | 44,659 | 47,558 | 52,57 |
| Iowa | 26,598 | 30,335 | 33,423 | 35,023 | 39,007 | 37,805 | | • | | | | | 48,82 |
| Kansas | 20,593 | 23,210 | 26,694 | 28,297 | 31,742 | 33,549 | 35,186 | 38,642 | 40,716 | 41,777 | 43,956 | 46,615 | |
| Minnesota | 35,862 | 40,543 | 45,555 | 48,990 | 53,887 | 56,013 | 59,374 | 67,600 | 71,289 | 75,651 | 80,881 | 87,238 | 93,55 |
| Missouri | 41,476 | 46,742 | 51,416 | 53,325 | 58,825 | 61,358 | 66,342 | 74,272 | 79,461 | 84,335 | 89,168 | 94,932 | 100,08 |
| Nebraska | 13,760 | 15,514 | 17,366 | 18,325 | 20,935 | 21,373 | 21,554 | 24,316 | 25,341 | 25,705 | 26,611 | 28,518 | 31,11 |
| | 5,418 | 6,601 | 7,715 | 8,333 | 10,357 | 10,369 | 10,133 | 10,972 | 10,762 | 10,001 | 10,193 | 10,042 | 11,23 |
| North Dakota South Dakota | 5,200 | 5,970 | 6,907 | 7,045 | 7,703 | 7,873 | 7,911 | 8,920 | 9,070 | 9,323 | 9,777 | 10,123 | 11,13 |
| goddi Dukom | 0,200 | - 7 | , | | | | | | | | | | |
| Southeast | 384,195 | 438,653 | 490,687 | 539,289 | 610,794 | 639,010 | 693,183 | 773,881 | 828,897 52,712 | 879,010 55,778 | 946,378 59,547 | 1,025,196 64,059 | 1,091,84 |
| Alabama | 25,978 | 29,731 | 33,004 | 35,179 | 39,607 | 40,602 | 44,105 | 49,060 | | | | | |
| Arkansas | 14,795 | 17,285 | 19,075 | 20,334 | 23,031 | 23,712 | 25,190 | 28,666 | 29,792 | 31,015 | 32,708 | 35,130 | 37,16 |
| Florida | 64,140 | 74,590 | 85,142 | 95,727 | 109,668 | 117,197 | 131,150 | 146,957 | 161,750 | 176,588 | 194,884 | 212,761 | 226,96 |
| Georgia | 40,504 | 46,040 | 51,211 | 55,616 | 62,847 | 66,793 | 74,793 | 86,430 | 95,287 | 104,810 | 113,098 | 122,717 | 129,77 |
| Kentucky | 28,584 | 32,147 | 35,399 | 37,228 | 40,977 | 42,380 | 44,545 | 49,574 | 51,507 | 53,986 | 57,426 | 61,631 | 65,85 |
| Louisiana | 39,478 | 45,165 | 52,713 | 64,297 | 77,309 | 77,986 | 76,803 | 81,350 | 81,962 | 72,300 | 72,125 | 76,540 | 79,13 |
| | 16,027 | 18,161 | 20,401 | 21,606 | 24,409 | 25,501 | 26,890 | 29,595 | 31,125 | 31,734 | 33,281 | 36,255 | 38,13 |
| Mississippi | | | 54,890 | 59,110 | 65,980 | 69,182 | 77,876 | 88,275 | 94,622 | 104,054 | 112,288 | 121,489 | 130,08 |
| North Carolina | 44,148 | 50,103 | | , | | | 35,349 | 39,729 | 42,195 | 45,804 | 49,608 | 54,338 | 60,15 |
| South Carolina | 19,878 | 22,546 | 25,232 | 27,330 | 30,775 | 32,030 | | | | | 80,507 | 86,949 | 92,26 |
| Tennessee | 33,249 | 38,270 | 42,252 | 45,031 | 49,845 | 51,879 | 56,065 | 63,173 | 67,967 | 73,213 | | | |
| Virginia | 42,781 | 48,295 | 53,390 | 58,401 | 65,590 | 70,245 | 78,633 | 87,900 | 96,008 | 105,511 | 115,881 | 126,668 | 136,49 |
| West Virginia | 14,633 | 16,322 | 17,978 | 19,430 | 20,755 | 21,503 | 21,783 | 23,173 | 23,970 | 24,217 | 25,025 | 26,660 | 27,92 |
| | 104506 | 212 (74 | 246 020 | 288,876 | 342,250 | 356,400 | 374,025 | 407,274 | 430,828 | 418,807 | 431,753 | 458,666 | 483,11 |
| outhwest | 184,596 | 213,674 | 248,929 26,868 | 288,876 | 342,230 | 33,548 | 37,691 | 43,845 | 49,312 | 54,269 | 58,480 | 62,375 | 65,30 |
| Arizona | 18,918 | 22,558 | | | | 19,835 | 20,523 | 23,005 | 23,516 | 22,273 | 23,039 | 24,263 | 25,4 |
| New Mexico | 10,196 | 11,901 | 14,101 | 16,670 | 19,598 | | | | | 47,191 | 47,371 | 49,903 | 52,34 |
| Oklahoma T | 23,647 | 27,319 151,896 | 32,145 175,815 | 37,811 204,720 | 45,185 244,572 | 48,560 254,457 | 47,622 268,190 | 49,862 290,562 | 50,171 307,828 | 295,074 | 302,862 | 322,125 | 340,05 |
| Texas | 131,835 | 131,000 | 173,013 | 207,120 | ±-1-7-21 Δ | DO TYTO I | , | 2.5,202 | | | , | | |
| locky Mountain | 53,508 | 63,122 | 72,692 | 82,223 | 93,551 | 97,998 | 103,341 | 112,139 | 116,822 | 116,887 | 120,178 | 126,730 | 134,8 |
| Colorado | 24,535 | 28,630 | 33,212 | 37,156 | 42,155 | 45,314 | 48,912 | 53,705 | 56,445 | 57,506 | 59,630 | 62,490 | 66,13 |
| Idaho | 6,929 | 8,213 | 8,954 | 9,666 | 10,390 | 10,376 | 11,243 | 12,077 | 12,547 | 12,664 | 13,599 | 14,830 | 16,33 |
| | 6,383 | 7,610 | 8,554 | 9,466 | 10,601 | 11,061 | 11,379 | 11,753 | 11,460 | 11,497 | 11,771 | 12,178 | 13,10 |
| Montana | | | | 15,033 | 17,185 | 18,018 | 19,499 | 21,988 | 23,525 | 23,985 | 24,622 | 26,450 | 28,13 |
| Utah Wyoming | 10,116 5,545 | 11,839 6,830 | 13,493 8,480 | 10,903 | 13,219 | 13,228 | 12,307 | 12,617 | 12,846 | 11,235 | 10,557 | 10,782 | 11,11 |
| 11 Jonning | نه در | 0,000 | 2, | | | , , | | • | | | | | |
| ar West | 288,490 | 334,603 | 375,278 | 412,573 | 456,580 | 476,094 | 519,993 | 580,321 | 626,595 | 675,070 | 735,855 | 802,711 | 873,69 |
| California | 224,134 | 258,181 | 288,244 | 319,321 | 356,864 | 374,086 | 409,384 | 459,905 | 500,538 | 539,307 | 589,311 | 642,309 | 697,38 |
| Nevada | 7,142 | 8,851 | 10,405 | 11,866 | 13,358 | 13,833 | 14,940 | 16,489 | 17,995 | 19,355 | 21,478 | 24,657 | 27,96 |
| Oregon | 21,885 | 25,485 | 28,696 | 30,205 | 31,430 | 31,141 | 33,403 | 36,434 | 38,205 | 40,438 | 43,563 | 47,881 | 52,11 |
| Washington | 35,329 | 42,086 | 47,933 | 51,180 | 54,928 | 57,035 | 62,267 | 67,493 | 69,857 | 75,970 | 81,503 | 87,864 | 96,23 |
| | | | | | | | | | | 1 | 1600: | 177.00 | |
| | m com | 8,006 | 9,201 | 13,955 | 20,004 | 18,619 | 18,932 | 19,695 | 20,511 | 17,877 | 16,994 | 17,681 | 19,58 |
| Maska | 7,597 | | | | | | | 4 | 17 - 10 | 10.000 | 00.000 | 00 100 | ~~~ |
| laska Iawaii | 1,591 8,946 | 10,006 | 11,257 | 12,621 | 13,507 | 14,412 | 15,477 | 16,500 | 17,642 | 19,088 | 20,738 | 23,183 | 25,75 |

Table 21 Gross State Product Rankings by State

| | 1977 GSP (millions) | 1989 GSP (millions) | Annual Rate of Change | Growth Rank | Percent of U.S. GSP | 1989 GSP Size Rank | 1989 Population (thousands) | Pop Rank | GSP Per Capita | Per Capita Rank |
|------------------------------|---------------------------|---------------------------|-----------------------------|----------------|---------------------------|--------------------------|-----------------------------------|-------------|----------------------|-----------------------|
| Alabama | \$25,978 | \$67,886 | 8.3% | 23 | 1.3% | 23 | 4,030 | 22 | \$16,845 | 42 |
| Alaska | 7,597 | 19,582 | 8.2% | 27 | 0.4% | 42 | 547 | 49 | 35,799 | 1 |
| Arizona | 18,918 | 65,306 | 10.9% | 4 | 1.3% | 26 | 3,622 | 24 | 18,030 | 36 |
| Arkansas | 14,795 | 37,169 | 8.0% | 28 | 0.7% | 33 | 2,346 | 33 | 15,844 | 48 |
| California | 224,134 | 697,381 | 9.9% | 8 | 13.5% | 1 | 29,218 | 1 | 23,868 | 8 |
| Colorado | 24,535 | 66,180 | 8.6% | 21 | 1.3% | 24 | 3,276 | 27 | 20,201 | 20 |
| Connecticut | 29,822 | 88,863 | 9.5% | 12 | 1.7% | 21 | 3,283 | 26 | 27,068 | 2 |
| Delaware | 5,623 | 15,418 | 8.8% | 19 | 0.3% | 45 | 658 | 46 | 23,432 | 10 |
| Florida | 64,140 | 226,964 | 11.1% | 3 | 4.4% | 6 | 12,638 | 4 | 17,959 | 37 |
| Georgia | 40,504 | 129,776 | 10.2% | 6 | 2.5% | 13 | 6,411 | 11 | 20,243 | 18 |
| Hawaii | 8,946 | 25,755 | 9.2% | 16 | 0.5% | 38 | 1,095 | 41 | 23,521 | 9 |
| Idaho | 6,929 | 16,339 | 7.4% | 34 | 0.3% | 44 | 994 | 43 | 16,438 | 45 |
| Illinois | 114,966 | 256,478 | 6.9% | 39 | 5.0% | 4 | 11,410 | 6 | 22,478 | 11 |
| Indiana | 48,176 | 105,314 | 6.7% | 41 | 2.0% | 14 | 5,524 | 14 | 19,065 | 30 |
| Iowa | 26,598 | 52,574 | 5.8% | 49 | 1.0% | 28 | 2,771 | 30 | 18,973 | 32 |
| Iowa Kansas | 20,598 | 48,829 | 7.5% | 33 | 0.9% | 31 | 2,473 | 32 | 19,745 | 23 |
| | | | | 37 | 1.3% | 25 | 3,677 | 23 | 17,911 | 38 |
| Kentucky | 28,584 | 65,858 | 7.2% | | | | | 21 | 18,608 | 35 |
| Louisiana | 39,478 | 79,138 | 6.0% | 47 | 1.5% | 22 | 4,253 | | | |
| Maine | 7,648 | 23,474 | 9.8% | 9 | 0.5% | 41 | 1,220 | 38 | 19,241 | 28 |
| Maryland | 34,144 | 99,074 | 9.3% | 15 | 1.9% | 16 | 4,727 | 19 | 20,959 | 15 |
| Massachusetts | 49,004 | 144,791 | 9.4% | 13 | 2.8% | 10 | 6,016 | 13 | 24,068 | 7 |
| Michigan | 88,577 | 181,827 | 6.2% | 46 | 3.5% | 9 | 9,253 | 8 | 19,651 | 24 |
| Minnesota | 35,862 | 93,559 | 8.3% | 24 | 1.8% | 19 | 4,338 | 20 | 21,567 | 14 |
| Mississippi | 16,027 | 38,135 | 7.5% | 32 | 0.7% | 32 | 2,574 | 31 | 14,815 | 50 |
| Missouri | 41,476 | 100,081 | 7.6% | 30 | 1.9% | 15 | 5,096 | 15 | 19,639 | 25 |
| Montana | 6,383 | 13,104 | 6.2% | 45 | 0.3% | 46 | 800 | 44 | 16,380 | 46 |
| Nebraska | 13,760 | 31,115 | 7.0% | 38 | 0.6% | 34 | 1,575 | 36 | 19,756 | 22 |
| Nevada | 7,142 | 27,960 | 12.0% | 1 | 0.5% | 36 | 1,137 | 39 | 24,591 | 4 |
| New Hampshire | 6,285 | 24,504 | 12.0% | 2 | 0.5% | 40 | 1,105 | 40 | 22,176 | 13 |
| New Jersey | 66,396 | 203,375 | 9.8% | 10 | 3.9% | 8 | 7,726 | 9 | 26,323 | 3 |
| New Mexico | 10,196 | 25,414 | 7.9% | 29 | 0.5% | 39 | 1,504 | 37 | 16,898 | 41 |
| New York | 169,215 | 441,068 | 8.3% | 25 | 8.5% | 2 | 17,983 | 2 | 24,527 | 5 |
| North Carolina | 44,148 | 130,085 | 9.4% | 14 | 2.5% | 12 | 6,565 | 10 | 19,815 | 21 |
| North Dakota | 5,418 | 11,231 | 6.3% | 44 | 0.2% | 48 | 646 | 47 | 17,385 | 40 |
| Ohio | 97,331 | 211,545 | 6.7% | 42 | 4.1% | 7 | 10,829 | 7 | 19,535 | 26 |
| Oklahoma | 23,647 | 52,342 | 6.8% | 40 | 1.0% | 29 | 3,150 | 28 | 16,617 | 43 |
| Oregon | 21,885 | 52,118 | 7.5% | 31 | 1.0% | 30 | 2,791 | 29 | 18,674 | 34 |
| - | 98,690 | 227,898 | 7.2% | 36 | 4.4% | 5 | 11,866 | 5 | 19,206 | 29 |
| Pennsylvania Rhode Island | 7,112 | 18,807 | 8.4% | 22 | 0.4% | 43 | 1,001 | 42 | 18,788 | 33 |
| | | 60,150 | 9.7% | 11 | 1.2% | 27 | 3,457 | 25 | 17,399 | 39 |
| South Carolina | 19,878 | | 6.6% | 43 | 0.2% | 49 | 5,437 697 | 45 | 15,976 | 47 |
| South Dakota | 5,200 | 11,135 | | | | | | | | |
| Tennessee | 33,249 | 92,267 | 8.9% | 18 | 1.8% | 20 | 4,854 | 17 | 19,008 | 31 |
| Гехаs | 131,835 | 340,057 | 8.2% | 26 | 6.6% | 3 | 16,807 | 3 | 20,233 | 19 |
| Utah | 10,116 | 28,135 | 8.9% | 17 | 0.5% | 35 | 1,706 | 35 | 16,492 | 44 |
| Vermont | 3,440 | 11,502 | 10.6% | 5 | 0.2% | 47 | 558 | 48 | 20,613 | 16 |
| Virginia | 42,781 | 136,497 | 10.2% | 7 | 2.6% | 11 | 6,120 | 12 | 22,303 | 12 |
| Washington | 35,329 | 96,233 | 8.7% | 20 | 1.9% | 17 | 4,746 | 18 | 20,277 | 17 |
| West Virginia | 14,633 | 27,922 | 5.5% | 50 | 0.5% | 37 | 1,807 | 34 | 15,452 | 49 |
| Wisconsin | 40,123 | 93,978 | 7.4% | 35 | 1.8% | 18 | 4,857 | 16 | 19,349 | 27 |
| Wyoming | 5,545 | 11,115 | 6.0% | 48 | 0.2% | 50 | 458 | 50 | 24,269 | 6 |
| United States | \$1,957,608 | \$5,164,671 | 8.4% | | 100.0% | | 246,820 | | \$20,925 | |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table 22 Rocky Mountain Region Gross State Product

| Σ | Millions of Current Dollars | nt Dollars | - | | | | | W. | | | | | | | Average |
|----------|-----------------------------------|-------------|---------------------|---|-----------|---|-----------|-----------|-------------------|---------------------|-----------|---------------------|---------------------|-----------|-----------------------|
| | | 1977 | 1978 | 1970 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | Annual Growth Rate |
| R | Rocky Mountain | \$53,508 | \$63,122 | \$72,692 | \$82,223 | \$93,551 | \$97,998 | \$103,341 | \$112.139 | \$116,822 | \$116,887 | \$120,178 | \$126,730 | \$134,873 | 8.0% |
| | Colorado | 24,535 | 28,630 | 33,212 | 37,156 | 42,155 | | 48,912 | 53,705 | 56,445 | 57,506 | 59,630 | 62,490 | 66,180 | 8.6% |
| | Idaho | 6,929 | 8,213 | 8,954 | 999,6 | 10,390 | | | 12,077 | 12,547 | 12,664 | 13,599 | 14,830 | 16,339 | 7.4% |
| | Montana | 6,383 | 7,610 | 8,554 | 9,466 | 10,601 | | | 11,753 | 11,460 | 11,497 | 11,771 | 12,178 | 13,104 | 6.2% |
| | Utah | 10,116 | 11,839 | 13,493 | 15,033 | 17,185 | | 19,499 | 21,988 | 23,525 | 23,985 | 24,622 | 26,450 | 28,135 | 8.9% |
| | Wyoming | 5,545 | 6,830 | 8,480 | 10,903 | 13,219 | | | 12,617 | 12,846 | 11,235 | 10,557 | 10,782 | 11,115 | 6.0% |
| ٦ | United States | 1,957,608 | 1,957,608 2,213,331 | 2,458,084 2,670,330 | | 2,986,892 | 3,104,181 | 3,339,966 | 3,707,032 | 3,966,280 | 4,186,032 | 4,483,510 4,854,260 | 4,854,260 | 5,164,671 | 8.4% |
| | | | | | | ALL | | | | | | | | | Deal |
| _ | Millions of Constant 1982 Dollars | ant 1982 Dc | llars | | | | | | | | | | | | Average |
| | | 1977 | 1978 | 1970 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | Annual Growth Rate |
| <u> </u> | Rocky Mountain | 890 083 | \$80.101 | \$03.455 | 605 434 | \$02 775 | \$00, 400 | \$100.008 | \$10 5 082 | \$106.800 | 6105 854 | \$105 481 | \$107.760 | \$110.622 | 250% |
| | Colorado | 36.925 | 39.880 | 42.355 | 42,978 | 44.662 | 45,314 | | 49.805 | 50.869 | | 51,249 | 52.117 | 53.340 | 3.1% |
| | Idaho | 9,867 | 10,742 | 10,869 | 10,963 | | 10,376 | | 11.167 | 11,493 | | 11,833 | 12,432 | 13,276 | 2.5% |
| | Montana | 9,692 | 10,530 | 10,832 | 10,956 | | 11,061 | | | 10,516 | | 10,474 | 10,336 | 10,728 | 0.8% |
| | Utah | 15,186 | 16,450 | 17,136 | 17,405 | | 18,018 | | | 21,434 | | 21,414 | | 22,776 | 3.4% |
| | Wyoming | 10,397 | 11,499 | 12,262 | 13,131 | 13,827 | 13,228 | | 12,519 | 12,588 | | 10,511 | 10,511 | 10,502 | 0.1% |
| Econo | United States | 2,914,780 | 3,058,700 | 2,914,780 3,058,700 3,143,172 3,114,741 3,169,057 | 3,114,741 | 3,169,057 | 3,104,181 | 3,215,001 | | 3,448,947 3,589,594 | 3,712,234 | 3,846,822 | 4,032,452 4,129,598 | 4,129,598 | 2.9% |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table 23
Utah Gross State Product By Major Industry
Current and Constant Dollars

| 1977 1978 1979 19 | | - | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | Average Annual Rate of Change |
|---|--|------------------------------------|-----------------|---------|-----------|--------------------|--------------------|---------------------------|-----------------------------------|---------------------------|---------------------------|---------------------------|-------------------------------------|
| \$13,493 \$15,033 \$17,185 \$18,018 11,522 12,837 14,735 15,340 346 356 367 380 | \$13,493 \$15,033 \$17,185 \$18,018 11,522 12,837 14,735 15,340 | \$17,185 \$18,018 14,735 15,340 | \$18,018 15,340 | _ | | \$19,499 16,576 | \$21,988 18,681 | \$23,525 19,760 375 | \$23,985 20,286 39 5 | \$24,622 20,683 479 | \$26,450 22,239 516 | \$28,135 23,767 509 | 8.9% 9.0% 7.4% |
| 587 780 1,031 1,278 1, | 780 1,031 1,278 1, | 1,278 1, | , — <u> </u> | 1,058 | | 901 | 873 | 722 | 539 | 537 | 571 | 296 | 1.1% |
| 773 875 989 965 921 942 1.550 1.831 2.106 2.354 2.771 2.840 | 989 965 921 | 921 | | 942 | | 1,048 | 1,316 | 1,340 3 806 | 1,224 | 1,043 | 1,022 | 1,092 | 2.9% 0.6% |
| 1,270 1,487 1,671 1,960 | 1,487 1,671 1,960 | 1,960 | | 1,937 | | 2,096 | 2,564 | 2,623 | 2,708 | 2,716 | 2,930 | 3,043 | 9.2% |
| 561 619 683 811 | 619 683 811 | 811 | | 903 | | 066 | 1,108 | 1,183 | 1,271 | 1,322 | 1,546 | 1,590 | 10.2% |
| 1,055 1,264 1,421 1,699 2,053 2,261 | 1,421 1,699 2,053 | 2,053 | | 2,261 | | 2,605 | 2,865 | 2,982 | 3,081 | 3,087 | 3,307 | 3,499 | 10.5% |
| 1,238 1,351 1,387 1,539 | 1,387 1,539 | 1,539 | | 1,650 | | 1,2/2 | 2,012 | 2,170 | 2,336 | 2,285 | 2.502 | 2,665 | 7.8% |
| 1,690 1,933 2,118 2,456 | 2,118 2,456 | 2,456 | _ | 2,638 | | 2,953 | 3,199 | 3,547 | 3,550 | 3,668 | 3,764 | 4,096 | 9.7% |
| 1,435 1,614 1,847 | 1,847 2,153 | 2,153 | | 2,344 | | 2,570 | 2,937 | 3,287 | 3,626 | 4,058 | 4,465 | 4,910 | 12.3% |
| 2,196 2,451 | 2,196 2,451 | 2,451 | | 2,6/8 | | 2,923 | 3,307 | 3,764 | 3,699 | 3,938 | 4,212 | 4,368 | 8.5% |
| 124 141 167 | 167 190 | 190 | _ | 207 | | 231 | 247 | 270 | 286 | 202,7 | 309 | 323 | 9:3% |
| 1,034 1,134 1,260 1,396 1 | 1,260 1,396 1 | 1,396 1 | - | 1,554 | _ | 1,693 | 1,995 | 2,302 | 2,185 | 2,388 | 2,595 | 2,627 | 9.2% |
| | | | | | 1 | | | | | | | | Real Avg. |
| 1977 1978 1979 1980 1981 1982 | 1980 1981 | 1981 | | 1982 | Į | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | of Change |
| \$16,450 \$17,136 \$17,405 \$18,249 \$ | \$17,136 \$17,405 \$18,249 | \$18,249 | ĺ | \$18,01 | ∞ ∞ | \$18,771 | \$20,544 | \$21,434 | \$21,487 | \$21,414 | \$22,374 | \$22,776 | 3.4% |
| 13,934 14,595 14,787 15,588 | 14,595 14,787 15,588 | 15,588 | | 15,34 | o | 16,008 | 17,619 | 18,278 | 18,481 | 18,342 | 19,244 | 19,735 | 3.7% |
| 267 317 351 345 | 317 351 345 | 345 | | 38 | 0 | 362 | 353 | 391 | 438 | 504 | 480 | 451 | 4.4% |
| 1,157 1,058 1,095 1,224 | 1,058 1,095 1,224 | 1,224 | | 1,05 | 00 | 945 | 966 | 876 | 795 | 747 | 792 | 841 | -2.4% |
| 1,265 1,260 1,074 1,001 | 1,260 1,074 1,001 | 1,001 | | 94 | 7 | 1,024 | 1,223 | 1,194 | 1,049 | 845 | 166 | 789 | -3.7% |
| 2,452 2,679 2,744 2,930 | 2,679 2,744 2,930 | 2,930 | | 2,84 | 0 | 3,091 | 3,690 | 3,963 | 4,104 | 4,242 | 4,693 | 4,613 | 6.2% |
| 1,687 1,850 1,931 2 | 1,850 1,931 2,073 | 2,073 | | 1,93 | _ , | 2,109 | 2,594 | 2,806 | 2,900 | 2,960 | 3,297 | 3,197 | 6.3% |
| /65 819 850 | 830 813 857 | 85/ | | 3 | , | 786 | 1,096 | /CI'I | 1,204 | 787,1 | 1,390 | 1,410 | 0.I% |
| 1,811 1,944 2,109 2,295 | 1,944 2,109 2,295 | 2,295 | | 2,26 | , | 2,476 | 2,645 | 2,686 | 2,714 | 2,837 | 3,031 | 3,148 | 5.7% |
| 964 1,076 1,114 1,192 | 1,076 1,114 1,192 | 1,192 | | 1,22 | ۰ | 1,248 | 1,370 | 1,457 | 1,569 | 1,435 | 1,480 | 1,585 | 5.5% |
| 1,635 1,666 1,595 1,638 | 1,666 1,595 1,638 | 1,638 | | 1,65 | 0 | 1,743 | 1,916 | 2,037 | 2,202 | 1,992 | 2,171 | 2,259 | 3.4% |
| 2,299 2,457 2,483 2,610 | 2,457 2,483 2,610 | 2,610 | | 2,638 | 200 | 2,719 | 2,839 | 2,930 | 2,743 | 2,705 | 2,679 | | 2.6% |
| 2,139 2,220 2,354 | 2,139 2,220 2,354 | 2,354 | | 2,34 | - | 2,400 | 2,587 | 2,743 | 2,867 | 3,035 | 3,152 | | 4.6% |
| 2,516 2,540 2,619 2,661 | 2,540 2,619 2,661 | 2,661 | | 2,67 | 00 | 2,762 | 2,924 | 3,156 | 3,007 | 3,072 | 3,130 | | 2.0% |
| 937 905 934 | 905 934 933 | 933 | _ | 91 | 7 | 926 | 947 | 1,005 | 1,036 | 1,024 | 1,032 | 1,022 | 0.9% |
| 184 199 205 | 184 199 205 | 205 | | 20 | - | 221 | 225 | 236 | 244 | 245 | 244 | 242 | 3.2% |
| 1,451 1,486 1,523 1 | 1,451 1,486 1,523 1 | 1,523 | | 1,5 | 4 | 1,586 | 1,752 | 1,915 | 1,727 | 1,802 | 1,854 | 1,777 | 2.5% |
| | | | | | - | | | | | | | | |

* TCU = Transportation, communications, and utilities. FIRE = Finance, Insurance, and real estate. Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table 24
Utah Gross State Product by Major Industry
Share of Total

| Millions of Current Dollars | | | | | | | | | | | | | |
|-----------------------------|----------|----------|----------|-------|----------|----------|----------|--|----------|-------|-------|----------|----------|
| Industry | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 |
| Total | \$10.116 | \$11.830 | \$13.493 | | \$17.185 | \$18.018 | \$19.499 | \$21.988 | \$23.525 | | | \$26,450 | \$28,135 |
| Private Industries | 8.479 | 10.015 | 11.522 | | 14.735 | 15,340 | 16.576 | 18.681 | 19.760 | | | 22,239 | 23,767 |
| Ag., Forestry, Fisheries | 217 | 258 | 346 | | 362 | 380 | 350 | 392 | 375 | | | | 509 |
| Mining | 520 | 587 | 780 | | 1,278 | 1,058 | 901 | 873 | 722 | | | | 969 |
| Construction | 773 | 875 | 686 | | 921 | 942 | 1,048 | 1,316 | 1,340 | | | | 1,092 |
| Manufacturing | 1,550 | 1,831 | 2,106 | | 2,771 | 2,840 | 3,085 | 3,672 | 3,806 | | | | 4,633 |
| Durable Goods | 1,056 | 1,270 | 1,487 | | 1,960 | 1,937 | 2,096 | 2,564 | 2,623 | | | 2,930 | 3,043 |
| Nondurable Goods | 494 | 561 | 619 | | 811 | 903 | 066 | 1,108 | 1,183 | | | | 1,590 |
| TCU* | 1,055 | 1,264 | 1,421 | | 2,053 | 2,261 | 2,605 | 2,865 | 2,982 | | | | 3,499 |
| Wholesale Trade | 711 | 837 | 982 | | 1,200 | 1,226 | 1,272 | 1,414 | 1,532 | | | | 1,766 |
| Retail Trade | 1,082 | 1,238 | 1,351 | | 1,539 | 1,650 | 1,792 | 2,012 | 2,170 | | | | 2,665 |
| FIRE* | 1,348 | 1,690 | 1,933 | | 2,456 | 2,638 | 2,953 | 3,199 | 3,547 | | | | 4,096 |
| Services | 1,222 | 1,435 | 1,614 | | 2,153 | 2,344 | 2,570 | 2,937 | 3,287 | | | | 4,910 |
| Government | 1,637 | 1,825 | 1,971 | | 2,451 | 2,678 | 2,923 | 3,307 | 3,764 | | | | 4,368 |
| Federal Civilian | 612 | 199 | 969 | | 864 | 917 | 866 | 1,064 | 1,192 | | | | 1,418 |
| Federal Military | 111 | 124 | 141 | | 190 | 207 | 231 | 247 | 270 | | | | 323 |
| State and Local | 914 | 1,034 | 1,134 | 1,260 | 1,396 | 1,554 | 1,693 | 1,995 | 2,302 | 2,185 | 2,388 | | 2,627 |
| Share of GSP | | | | | | | | | | | | | |
| Total | 100.0% | | | | 100.0% | 100.0% | 100.0% | - | 100.0% | + | _ | ţ1 | |
| Private Industries | 83.8% | • | • | • | 85.7% | 85.1% | 85.0% | ' | 84.0% | | | | |
| Ag Forestry. Fisheries | 2.1% | 2.2% | | | 2.1% | 2.1% | 1.8% | 1.8% | 1.6% | 1.6% | 1.9% | 2.0% | 1.8% |
| Mining | 5.1% | 5.0% | | | 7.4% | 5.9% | 4.6% | | 3.1% | | | | |
| Construction | 7.6% | 7.4% | | | 5.4% | 5.2% | 5.4% | | 5.7% | | | | |
| Manufacturing | 15.3% | | | | 16.1% | 15.8% | 15.8% | | 16.2% | | | | |
| Durable Goods | 10.4% | | | | 11.4% | 10.8% | 10.7% | | 11.1% | | | | |
| Nondurable Goods | 4.9% | | | | 4.7% | 5.0% | 5.1% | | 5.0% | | | | |
| TCU* | 10.4% | | | | 11.9% | 12.5% | 13.4% | | 12.7% | | | | |
| Wholesale Trade | 7.0% | | | | 7.0% | 6.8% | 6.5% | | 6.5% | | | | |
| Retail Trade | 10.7% | | | | 9.0% | 9.2% | 9.5% | | 9.5% | | | | |
| FIRE* | 13.3% | | | | 14.3% | 14.6% | 15.1% | | 15.1% | | | | |
| Services | 12.1% | | | | 12.5% | 13.0% | 13.2% | | 14.0% | | | | |
| Government | 16.2% | | | | 14.3% | 14.9% | 15.0% | | 16.0% | | | | |
| Federal Civilian | 6.0% | | | | 5.0% | 5.1% | 5.1% | | 5.1% | | | | |
| Federal Military | 1.1% | | | | 1.1% | 1.1% | 1.2% | | 1.1% | | | | |
| State and Local | %0.6 | 8.7% | 8.4% | 8.4% | 8.1% | 8.6% | 8.7% | | 9.8% | | | | |
| | | | | | | | | And the second state of the second state of the second | | | | | |

* TCU = Transportation, communications, and utilities. FIRE = Finance, insurance and real estate. Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Table 25
Utah Gross State Product by Industry

| 1989 | \$28,135 | 23,767 | 509 | 65 | 296 | 129 | 266 | 147 55 | 1,092 | 4,633 | 3,043 | 06 | 72 | 165 | 331 | 240 | 391 | 202 | 140 | 861 | 137 | 116 | _ | 367 | | | | | | | | | | |
|----------|---------------------------|--------------------|----------------------------------|-----------------------------------|--------|--------------|-------------|--|--------------|---------------|---------------|--------------------------|------------------------|---------------------------------|--------------------------|---------------------------|------------------------------|---------------------------------|----------------------------|------------------------------------|----------------------------------|-------------------------|------------------|---------------------------|----------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------------------|---------------------------|---------------------------------|----------------------------|-----------------------|
| 1988 | \$26,450 | 22,239 | 516 | 62 | 571 | 116 | 249 | 148 59 | 1,022 | 4,476 | 2,930 | 82 | 63 | 156 | 298 | 213 | 672 | 281 | 107 | 820 | 127 | 110 | | 349 | | | | | | | | | | |
| 1987 | \$24,622 | 20,683 | 479 | 418 | 537 | 109 | 236 | 137 | 1,043 | 4,038 | | | | | | | | | | | 97 | | 1,322 | 322 | | | | | | | | | | |
| 1986 | \$23,985 | 20,286 | 395 | 50 | 539 | 70 | 240 | 63 63 | 1,224 | 3,980 | - | | | | | | | | | | 95 | | 1,271 | | | | | | | | 295 | | | |
| 1985 | \$23,525 | 19,760 | 375 | 59 | 722 | 74 | 234 | 360 54 | 1,340 | 3,806 | 2,623 | 85 | 70 | 190 | 254 | 205 | 969 | 253 | 86 | 632 | 86 | 26 | _ | 566 | | | | | | | | | | |
| 1984 | \$21,988 | 18,681 | 392 | 54 | 873 | 149 | 224 | 449 50 | 1,316 | 3,672 | 2,564 | 98 | 59 | 173 | 279 | 211 | 969 | 275 | 96 | 246 | 92 | 51 | 1,108 | 242 | 0 | 3 | 88 | 28 | 221 | 208 | 281 | 32 | | |
| 1983 | \$19,499 | 16,576 | 350 | 49 | 901 | 195 | 253 | 405 47 | 1,048 | 3,085 | 2,096 | 74 | 49 | 131 | 234 | 174 | 603 | 217 | 65 | 427 | 82 | 36 | 066 | 229 | 0 | 2 | 88 | 22 | 197 | 181 | 239 | 30 | _ | |
| 1982 | \$18,018 | 15,340 | 380 | 40 | 1,058 | 170 | 350 | 491 47 | 942 | 2,840 | 1,937 | 59 | 36 | 114 | 295 | 183 | 578 | 206 | 57 | 294 | 77 | 36 | 903 | 223 | 0 | 7 | 78 | 21 | 174 | 174 | 197 | 35 | 7 | |
| 1981 | \$17,185 | 14,735 | 362 | 39 | 1,278 | 313 | 283 | 631 51 | 921 | 2,771 | | | | | | | | | | | 76 | | 811 | 206 | 0 | _ | 74 | 20 | 154 | 157 | 157 | 38 | 3 | |
| 1980 | \$15,033 | 12,837 | 356 | 35 | 1,031 | 309 | 246 | 428 49 | 965 | 2,354 | 1,671 | 74 | 30 | 126 | 318 | 177 | 411 | 167 | 4 | 216 | 75 | 36 | 683 | 180 | 0 | **** | 19 | 17 | 134 | 117 | 128 | 37 | , 1 | |
| 1979 | \$13,493 | 11,522 | 346 | 33 | 780 | 271 | 203 | 39 | 686 | 2,106 | 1,487 | 84 | 27 | 140 | 294 | 161 | 336 | 119 | 28 | 172 | \$ 6 | 32 | 619 | 168 | 0 | 7 | 99 | 16 | 117 | 66 | 116 | 34 | 7 | |
| 1978 | \$11,839 | 10,015 | 258 | 29 | 587 | 167 | 158 | 34 | 875 | 1,831 | 1,270 | 81 | 23 | 122 | 258 | 148 | 280 | 91 | 55 | 133 | 51 | 7.7 | 561 | 156 | 0 | 7 | 63 | 14 | 101 | 80 | 114 | 30 | 61 | |
| 1977 | \$10,116 | 8,479 | 217 | 26 | 520 | 141 | 148 | 199 32 | 773 | 1,550 | 1,056 | 99 | 16 | 101 | 220 | 129 | 244 | 19 | 36 | 110 | 4 5 | 22 | 494 | 147 | 0 | 6 | 52 | | 83 | 62 | 105 | 30 | 7 | |
| Industry | Total Gross State Product | Private Industries | Agriculture, Forestry, Fisheries | Ag. Services, Forestry, Fisheries | Mining | Metal Mining | Coal Mining | On & Gas Extraction Nonmetallic Minerals, except fuels | Construction | Manufacturing | Durable Goods | Lumber and Wood Products | Furniture and Fixtures | Stone, Clay, and Glass Products | Primary Metal Industries | Fabricated Metal Products | Machinery, Except Electrical | Electric & Electronic Equipment | Motor Vehicles & Equipment | I ransportation Equip. excl. Motor | Instruments and Related Products | Misc. Manuracuring ind. | Nondurable Goods | Food and Kindred Products | Tobacco Manufactures | Textile Mill Products | Apparel & Other Textiles | Paper & Allied Products | Printing & Publishing | Chemicals & Allied Products | Petroleum & Coal Products | Rubber & Misc. Plastic Products | Leather & Leather Products | (continued next page) |

State of Utah

Table 25 Utah Gross State Product by Industry (Continued)

| Industry | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 |
|--|---------|---------|---------|-----------|---------|---------|---------|-------------|---------|---------|-------------------------|---------|------------|
| Transportation, Communications & Utilities | \$1,055 | \$1,264 | \$1,421 | \$1,699 | \$2,053 | \$2,261 | \$2,605 | \$2,865 | \$2,982 | \$3,081 | \$3,087 | \$3,307 | \$3,499 |
| E | 3 | 733 | 641 | 101 | 101 | 908 | 800 | 1001 | 1 016 | 580 | 1 080 | 1 262 | 1 350 |
| ransportation Deline of Theorem the time | 504 | 123 | 1 7 | 180 | 217 | 212 | 237 | 1,00,1 | 270 | 240 | 217 | 22.6 | 238 |
| rainoad transportation | 111 | 300 | 77 | 36 | 30 | 3 6 | ; ; | <u>;</u> | ; ; | 24 | 3 | 22 | 24 |
| Local & Intertirban Passenger Transit | 3 5 | 07 6 | | 000 | 900 | 3 ; | 77 (| 1 5 | 707 | 1 5 | 1 5 | 787 | 200 |
| Irucking & Warehousing | 243 | 0/7 | 506 | 676 | 338 | 331 | 166 | 216 | 304 | 9 | î, | +0+ | +70 |
| Water Transportation | - | 7 | 71 | 60 | m | .n | 4 | > | 0 ; | 0 ; | O ; | - ; | <u>-</u> ; |
| Transportation by Air | 52 | 29 | 62 | 73 | 79 | 116 | 201 | 219 | 506 | 230 | 313 | 411 | 448 |
| Pipelines, Except Natural Gas | 12 | 31 | 54 | 73 | 88 | 66 | 87 | 78 | 98 | 47 | 61 | 29 | 61 |
| Transportation Services | 16 | 18 | 18 | 16 | 22 | 26 | 27 | 33 | 38 | 43 | 43 | 47 | 63 |
| Communication | 256 | 293 | 325 | 367 | 433 | 477 | 546 | 570 | 622 | 621 | 620 | 612 | 638 |
| Electric, Gas & Sanitary Services | 339 | 417 | 455 | 611 | 839 | 716 | 1,152 | 1,294 | 1,345 | 1,475 | 1,377 | 1,434 | 1,502 |
| Wholesale Trade | 711 | 837 | 982 | 1,079 | 1,200 | 1,226 | 1,272 | 1,414 | 1,532 | 1,554 | 1,488 | 1,616 | 1,766 |
| Retail Trade | 1,082 | 1,238 | 1,351 | 1,387 | 1,539 | 1,650 | 1,792 | 2,012 | 2,170 | 2,336 | 2,285 | 2,502 | 2,665 |
| Finance, Insurance & Real Estate | 1,348 | 1,690 | 1,933 | 2,118 | 2,456 | 2,638 | 2,953 | 3,199 | 3,547 | 3,550 | 3,668 | 3,764 | 4,096 |
| Banking | 123 | 191 | 201 | 225 | 241 | 281 | 340 | 375 | 393 | 395 | 418 | 447 | 519 |
| Credit Agencies Other Than Banks | 19 | 44 | 43 | 23 | 33 | 22 | 99 | 54 | 2 | 91 | 96 | 71 | 106 |
| Holding Cos & Investment Services | 5 | 20 | 18 | 30 | 61 | 9 | 84 | 16 | 110 | 133 | 132 | 130 | 139 |
| Insurance Carriers | 96 | 118 | 122 | 133 | 126 | 108 | 133 | 129 | 147 | 183 | 201 | 209 | 224 |
| Insurance Agents, Brokers & Services | 53 | 52 | 9 | 65 | 89 | 74 | 9/ | 84 | 90 | 109 | 136 | 154 | 171 |
| Real Estate | 1,043 | 1,296 | 1,489 | 1,641 | 1,928 | 2,094 | 2,255 | 2,481 | 2,742 | 2,640 | 2,684 | 2,753 | 2,937 |
| Services | 1,222 | 1,435 | 1,614 | 1,847 | | 2,344 | 2,570 | 2,937 | 3,287 | 3,626 | 4,058 | 4,465 | 4,910 |
| Hotels & Other Lodeine Places | 74 | 94 | 109 | 121 | | 136 | 165 | 171 | 183 | 184 | 212 | 228 | 237 |
| Personal Services | 70 | 80 | 87 | 96 | 96 | 108 | 115 | 131 | 155 | 167 | 173 | 201 | 228 |
| Business Services | 18 | 193 | 234 | 280 | | 357 | 417 | 519 | 610 | 684 | 784 | 904 | 1,043 |
| Auto Repair, Services & Garages | 96 | 113 | 131 | 145 | | 162 | 176 | 202 | 224 | 243 | 242 | 253 | 274 |
| Misc. Repair Services | 45 | 54 | 99 | 72 | | 80 | | 92 | 33 | 100 | 95 | 199 | 11. |
| Motion Pictures | 58 | 54 | 33 | 26 | | 87 6 | 87 5 | 4 6 | 75 | 7 : | 101 | 138 | 15. |
| Amusement & Recreation Services | 42 | 4 4 | 40. | 70 | | 702 | 173 | 276 | 109 | 004 | 1 1 1 1 1 1 1 1 1 1 1 1 | 1 260 | 1.356 |
| Health Services | 339 | 5,5 | 72 | 22.8 | | 25. | 141 | 163 | 175 | 200 | 228 | 246 | 271 |
| L'egal Services | 63 | 000 | 00 | 200 | | 130 | 150 | 180 | 203 | 232 | 243 | 258 | 281 |
| Educational Services Seeiol Services & Membership Organiz | 6 8 | 121 | 126 | 137 | | 218 | 238 | 268 | 289 | 310 | 353 | 409 | 446 |
| Misc Professional Agencies | 117 | 139 | 162 | 184 | | 203 | 212 | 254 | 283 | 303 | 341 | 370 | 401 |
| Private Households | 12 | 12 | 13 | 13 | | 16 | 17 | 19 | 19 | 20 | 20 | 21 | 22 |
| Government | 1 637 | 1.825 | 1.971 | 2.196 | 2.451 | 2.678 | 2.923 | 3,307 | 3,764 | 3,699 | 3,938 | 4,212 | 4,368 |
| Esdand Civilian | 613 | 199 | 969 | 169 | 864 | 917 | 866 | 1.064 | 1.192 | 1.228 | 1,252 | 1,308 | 1,418 |
| Endard Military | | 124 | 141 | 167 | 190 | 207 | 231 | 247 | 270 | 286 | 298 | 309 | 323 |
| State & Local | 914 | 1.034 | 1,134 | 1,260 | 1,396 | 1,554 | 1,693 | 1,995 | 2,302 | 2,185 | 2,388 | 2,595 | 2,627 |
| | | | | | | | | | | | | | |

Source: U.S. Department of Commerce, Bureau of Economic Analysis.

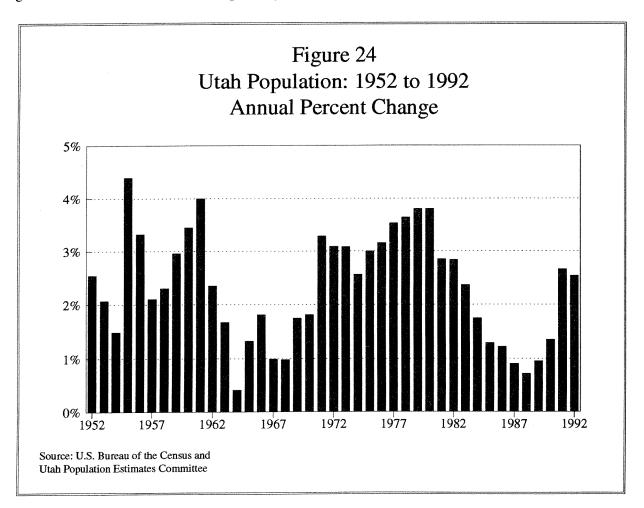
DEMOGRAPHICS

Demographic characteristics play an important role in the analysis of a state's economy. Population growth, for instance, can indicate a robust economy. Population change, natural increase, migration and geographic distribution of population are all important economic and demographic occurrences. Each of these factors provides insight into the economic health of Utah.

Population estimates for Utah by county are prepared annually by both the U.S. Bureau of the Census and Utah Population Estimates Committee. Because the Estimates Committee utilizes more recent data and has the input of local population analysts, their estimates are generally preferable to Census estimates for planning and analysis purposes. However, it should be noted that Census population estimates are generally used for allocating revenues, including transportation funds and local option sales taxes. At the state level the estimates are consistent except for the most recent years. At the county level more significant differences exist. This section focuses on the estimates generated by the Utah Population Estimates Committee and concludes with Census age estimates.

State Population Change

Between July 1, 1991 and July 1, 1992, Utah's population grew by approximately 45,000 people — from 1,775,000 to 1,820,000. This preliminary estimate was produced by the Utah Population Estimates Committee, and implies a net in-migration of almost 19,000 persons. As shown in Figure 24, the level of change indicates an increase in the annual rate of growth almost as dramatic as last year's. The growth rate of 2.5 percent is the second fastest since 1982. Table 26 presents revised population estimates, along with the components of population change — migration and natural increase — for the past 40 years.



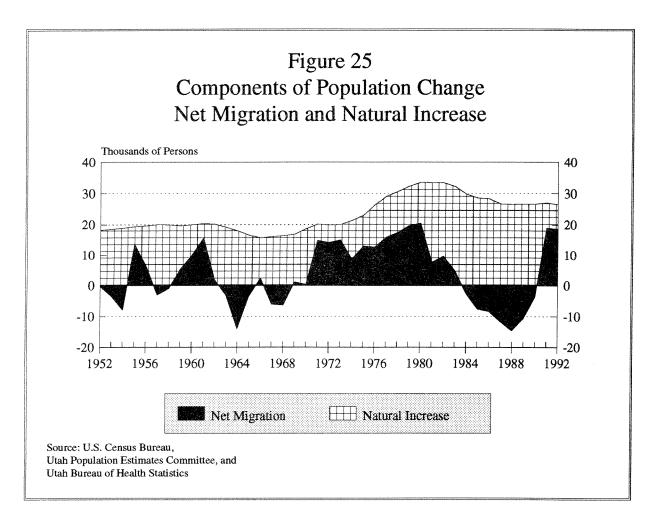
Migration

For the second year in a row, Utah has experienced annual net in-migration of approximately 19,000 (Figure 25). This year and last year account for the only two years of net in-migration since 1983. Utah in 1992, as in 1991, experienced robust employment growth. During Utah's period of economic downtum, net out-migration reached a record high of over 14,000 in 1988. However, due primarily to Utah's strong economic performance in 1989 and 1990, net out-migration was substantially reduced. Out-migration was estimated to be approximately 10,600 in 1989 and 3,600 in 1990. Fiscal 1991 experienced a turnaround, with net <u>in</u>-migration of almost 19,000. This was the first net in-migration since 1983, the largest since 1980, and the third largest in the last 40 years.

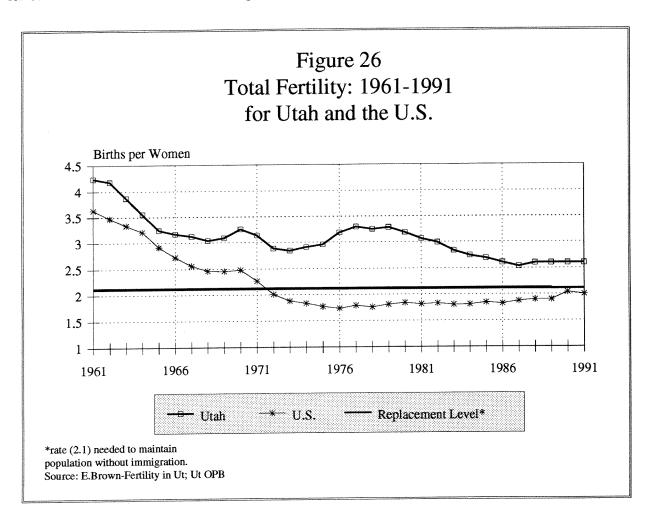
While Utah has again experienced robust employment growth, it is assumed that a large number of the people moving to, or back to Utah are doing so as a result of continuing poor economic conditions in the area they were living in, rather than solely due to economic opportunities in Utah. For example, the largest migration flow has historically been with California and in 1992 California's economy was particularly hard hit.

Natural Increase

Natural increase is the number of births minus the number of deaths over a period of time, generally one year. The number of deaths in Utah has climbed proportionally with the total population. The number of births peaked in 1982, and has declined almost every year until 1991, when there was a 2.1 percent increase. The preliminary indication for 1992 is that births have declined slightly. Fiscal year 1992 birth and death data were not available in time to keep the population estimates production schedule, so Calendar Year 1991 births and deaths were used.



The total fertility rate is the number of births that a woman would have during her lifetime if, at each year of age, she experiences the birth rate occurring for that specific year. Fertility rates declined in Utah from 3.3 births per woman in 1979 to 2.6 in 1990. The national rate held constant at approximately 1.8 births per woman from 1977 through 1986. The Utah rate now appears to have stabilized at about 2.6, while the national rate has increased to 2.04. Despite the decline in Utah's fertility rate, it nevertheless remains the nation's highest. Historical fertility rates for Utah and the nation are illustrated in Figure 26 and listed in Table 28.



County Population

There were population increases in almost every county in Utah, although the growth was not quite as extensive as last year. Salt Lake County experienced the largest net in-migration with almost 7,600 persons. Another four counties — Davis, Washington, Weber and Utah — also experienced net in-migration of at least 1,000 persons. Fifteen of Utah's 29 counties experienced net in-migration in 1992, compared to 20 in 1991.

In terms of growth rates, Washington County led the state with 6.1 percent growth rate, Summit County was the second fastest growth with 5.0 percent, followed by Iron (4.0 percent), Sanpete (3.8 percent), and Morgan (3.3 percent). Fifteen of Utah's counties experienced growth of 2 percent or more, compared to 18 in 1991, and only five counties in 1990.

Table 27 presents the preliminary 1992 county population estimates along with the revised intercensal county estimates for Utah in the 1980s. The state total for each year in the 1980s is consistent with the U.S. Bureau of the Census state estimates.

Age Composition

The U.S. Bureau of the Census produces annual estimates of state population by age group. The most recent data available are for 1991 and are shown in Table 29. These data demonstrate that Utah continues to have a very young population relative to the nation. Utah ranks second in the percent of the population under five years of age and first in the percent of the population aged 5 to 17. In contrast, Utah ranks 49th in the percent of the population over age 64.

Utah's age characteristics can be summarized in terms of a demographic construct called a dependency ratio. The dependency ratio measures the number of dependents (defined as persons younger than age 17 and older than age 64) per 100 persons of working age (defined as persons in the age group 18 to 64). Utah's dependency ratio is 82 compared to the national average of 62. This means that for every 100 persons of working age in Utah, 20 more dependents than the national average must be supported. Utah's dependency ratio is the highest in the country and even significantly higher than the next closest state. Table 30 provides dependency ratios for every state and the District of Columbia.

Table 26
Utah Population Estimates, Net Migration, Births and Deaths

| Year | July First Population | Percent Change | Increase | Net Migration* | Natural Increase | Fiscal Year Births** | Fiscal Year Deaths** |
|----------|-----------------------------|-------------------|----------|-------------------|---------------------|----------------------------|----------------------------|
| 1952 | 724,000 | 2.55 | 18,000 | (209) | 18,209 | 23,251 | 5,042 |
| 1953 | 739,000 | 2.07 | 15,000 | (3,522) | 18,522 | 23,658 | 5,136 |
| 1954 | 750,000 | 1.49 | 11,000 | (7,906) | 18,906 | 23,944 | 5,038 |
| 1955 | 783,000 | 4.40 | 33,000 | 13,589 | 19,412 | 24,454 | 5,042 |
| 1956 | 809,000 | 3.32 | 26,000 | 6,372 | 19,629 | 24,787 | 5,158 |
| 1957 | 826,000 | 2.10 | 17,000 | (3,058) | 20,058 | 25,518 | 5,460 |
| 1958 | 845,000 | 2.30 | 19,000 | (972) | 19,972 | 25,724 | 5,753 |
| 1959 | 870,000 | 2.96 | 25,000 | 5,330 | 19,671 | 25,515 | 5,844 |
| 1960 | 900,000 | 3.45 | 30,000 | 9,980 | 20,021 | 25,959 | 5,938 |
| 1961 | 936,000 | 4.00 | 36,000 | 15,608 | 20,392 | 26,431 | 6,039 |
| 1962 | 958,000 | 2.35 | 22,000 | 1,802 | 20,199 | 26,402 | 6,203 |
| 1963 | 974,000 | 1.67 | 16,000 | (3,148) | 19,148 | 25,583 | 6,435 |
| 1964 | 978,000 | 0.41 | 4,000 | (13,924) | 17,924 | 24,398 | 6,474 |
| 1965 | 991,000 | 1.33 | 13,000 | (3,515) | 16,515 | 23,053 | 6,538 |
| 1966 | 1,009,000 | 1.82 | 18,000 | 2,330 | 15,670 | 22,431 | 6,761 |
| 1967 | 1,019,000 | 0.99 | 10,000 | (6,092) | 16,092 | 22,775 | 6,683 |
| 1968 | 1,029,000 | 0.98 | 10,000 | (6,372) | 16,372 | 23,071 | 6,699 |
| 1969 | 1,047,000 | 1.75 | 18,000 | 1,124 | 16,876 | 23,713 | 6,837 |
| 1970 | 1,066,000 | 1.81 | 19,000 | 327 | 18,674 | 25,601 | 6,927 |
| 1971 | 1,101,000 | 3.28 | 35,000 | 14,800 | 20,200 | 27,407 | 7,207 |
| 1972 | 1,135,000 | 3.09 | 34,000 | 14,090 | 19,910 | 27,146 | 7,236 |
| 1973 | 1,170,000 | 3.08 | 35,000 | 14,955 | 20,045 | 27,562 | 7,517 |
| 1974 | 1,200,000 | 2.56 | 30,000 | 8,620 | 21,380 | 28,876 | 7,496 |
| 1975 | 1,236,000 | 3.00 | 36,000 | 12,949 | 23,051 | 30,566 | 7,515 |
| 1976 | 1,275,000 | 3.16 | 39,000 | 12,605 | 26,395 | 33,773 | 7,378 |
| 1977 | 1,320,000 | 3.53 | 45,000 | 15,886 | 29,114 | 36,709 | 7,595 |
| 1978 | 1,368,000 | 3.64 | 48,000 | 17,422 | 30,578 | 38,265 | 7,687 |
| 1979 | 1,420,000 | 3.80 | 52,000 | 19,712 | 32,288 | 40,134 | 7,846 |
| 1980 | 1,474,000 | 3.80 | 54,000 | 20,517 | 33,483 | 41,591 | 8,108 |
| 1981 | 1,515,000 | 2.78 | 42,000 | 7,601 | 33,399 | 41,511 | 8,112 |
| 1982 | 1,558,000 | 2.84 | 43,000 | 9,630 | 33,370 | 41,774 | 8,404 |
| 1983 | 1,595,000 | 2.37 | 37,000 | 4,789 | 32,211 | 40,557 | 8,346 |
| 1984 | 1,622,000 | 1.69 | 28,000 | (2,757) | 29,757 | 38,643 | 8,886 |
| 1985 | 1,643,000 | 1.29 | 21,000 | (7,585) | 28,585 | 37,508 | 8,923 |
| 1986 | 1,663,000 | 1.22 | 20,000 | (8,355) | 28,355 | 37,145 | 8,790 |
| 1987 | 1,678,000 | 0.90 | 15,000 | (11,656) | 26,656 | 35,469 | 8,813 |
| 1988 | 1,690,000 | 0.72 | 15,000 | (14,526) | 26,526 | 35,648 | 9,122 |
| 1989 | 1,706,000 | 0.95 | 16,000 | (10,633) | 26,633 | 35,549 | 8,916 |
| 1990 | 1,729,000 | 1.35 | 23,000 | (3,619) | 26,619 | 35,569 | 8,950 |
| 1991 | 1,775,000 | 2.66 | 46,000 | 18,961 | 27,039 | 36,312 | 9,273 |
| 1992 (p) | 1,820,000 | 2.54 | 45,000 | 18,560 | 26,440 | 36,016 | 9,576 |

^{*} Net migration figures are based on rounded population estimates to maintain consistency with the historic database. These migration estimates may differ from those found elsewhere in the report.

Source: Utah Bureau of Health Statistics and Utah Population Estimates Committee.

^{**} From 1952 to 1970 fiscal year births and deaths are estimated by averaging calendar year births and deat in the two years that are partially covered by each fiscal year. From 1970-91, actual fiscal year births an deaths are shown.

⁽p) = preliminary

Utah Population Estimates by County Table 27

| r i | | | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---------------------|--------|---------|-------------------|--------|----------|---|--------|-------|---------|--------|-------|-------|-----------|----------|---------|--------------|--------|--------|--------|---------|---------|------------|-------|---------|---------------------|
| 1992 Percent of Total Pop. | 0.3% | 4.1% | 0.0% | 0.7% | 0.6% | 0.2% | %+.0 %C+ | 0.3% | 0.3% | 0.6% | 0.3% | 0.1% | 0.1% | 42.0% | 0.7% | 1.0% | 0.9% | 1.0% | 1.5% | 1.3% | 15.3% | 9.0 | 3.0% | 0.1% | 9.1% | 100.0% |
| Percent Change F 1991-92 T | 1.0% | 2.9% | 0.0% | 3.1% 0.8% | 0.0% | 0.0% | 1.5% 4.2% | 2.5% | 1.9% | 0.9% | 3.5% | 0.0% | 2.9% | 2.4% | 3.1% | 3.6% | 1.9% | 5.4% | 2.2% | 2.6% | 2.2% | 0.9% | %0.9 | -2.3% | 2.5% | 2.5% |
| Avg. Ann. Percent Chg. 1980-92 | 0.9% | 2.1% | %9'0- | 2.6% 0.1% | -1.1% | 0.9% | -1.5% | 0.9% | 2.3% | 2.2% | 1.4% | 0.0% | -1.7% | 1.7% | 0.5% | 1.4% | %9 '0 | 4.4% | 0.5% | 1.1% | 2.0% | 1.9% | 6.3% | 0.8% | 1.1% | 1.7% |
| July 1, 1992* | 4,900 | 74,000 | 700 | 201,000 12,900 | 10,200 | 4,100 | 6,900 | 6,150 | 5,350 | 11,700 | 5,850 | 1,350 | 1,750 | 765,000 | 13,100 | 17,500 | 16,000 | 17,500 | 27,800 | 23,700 | 278,000 | 10,800 | 55,000 | 2,150 | 166,000 | 1,820,000 |
| July 1, 1991 | 4,850 37,100 | 71,900 | 700 | 195,000 12,800 | 10,200 | 4,100 | 6,800 | 6,000 | 5,250 | 11,600 | 5,650 | 1,350 | 1,700 | 747,000 | 12,700 | 16,900 | 15,700 | 16,600 | 27,200 | 23,100 | 272,000 | 10,700 | 51,900 | 2,200 | 162,000 | 1,775,000 |
| July 1, 1990 | 4,800 | 70,500 | 700 | 188,000 12,600 | 10,300 | 3,950 | 009'9 | 5,800 | 5,150 | 11,300 | 5,550 | 1,250 | 1,750 | 728,000 | 12,600 | 16,300 | 15,400 | 15,700 | 26,700 | 22,200 | 266,000 | 10,100 | 49,100 | 2,150 | 159,000 | 1,729,000 |
| July 1, 1989 | 4,800 | 69,200 | 650 | 186,000 12,800 | 10,400 | 4,000 | 6,700 | 5,900 | 5,250 | 11,300 | 5,450 | 1,300 | 1,750 | 720,000 | 12,600 | 16,000 | 15,400 | 15,100 | 26,500 | 22,200 | 258,000 | 10,000 | 47,200 | 2,200 | 158,000 | 1,706,000 |
| July 1, 1988 | 4,800 | 68,500 | 700 | 184,000 13,100 | 10,500 | 3,950 | 6,750 | 5,800 | 5,250 | 11,300 | 5,350 | 1,300 | 1,750 | 713,000 | 12,600 | 16,000 | 15,400 | 14,300 | 26,500 | 22,700 | 255,000 | 9,750 | 45,000 | 2,200 | 157,000 | 1,690,000 |
| July 1, 1987 | 4,900 | 67,500 | 700 | 179,000 13,700 | 10,900 | 4,000 | 006,90 | 5,800 | 5,150 | 11,400 | 5,350 | 1,300 | 1,850 | 710,000 | 12,600 | 15,900 | 15,400 | 14,200 | 27,100 | 23,000 | 252,000 | 9,700 | 43,200 | 2,150 | 156,000 | 1,678,000 |
| July 1, 1986 | 4,950 | 66,300 | 700 | 175,000 14,300 | 11,100 | 4,000 | 7,050 | 5,900 | 5,100 | 12,200 | 5,250 | 1,300 | 2,000 | 706,000 | 12,400 | 15,800 | 15,300 | 13,400 | 27,000 | 24,000 | 247,000 | 9,450 | 40,700 | 2,200 | 156,000 | 1,663,000 |
| July 1, 1985 | 5,050 | 65,200 | 700 | 170,000 14,700 | 11,100 | 4,000 | 7,200 | 50,100 | 4,950 | 12,900 | 5,250 | 1,300 | 2,050 | 000'169 | 12,300 | 16,300 | 15,900 | 13,000 | 27,300 | 24,900 | 245,000 | 9,200 | 36,800 | 2,200 | 154,000 | 1,643,000 |
| July 1, 1984 | 5,150 | 64,300 | 750 | 166,000 14,800 | 11,900 | 3,900 | 7,750 | 6,200 | 4,700 | 12,400 | 5,150 | 1,300 | 2,100 | 000'989 | 12,600 | 16,400 | 15,800 | 12,800 | 27,100 | 25,200 | 243,000 | 9,200 | 33,300 | 2,200 | 154,000 | 1,622,000 |
| July 1, 1983 | 5,000 | 63,500 | 750 | 162,000 14,400 | 12,700 | 3,900 | 8,050 | 5.950 | 4,500 | 10,800 | 5,100 | 1,300 | 2,250 | 673,000 | 12,900 | 16,400 | 15,600 | 12,200 | 26,800 | 26,000 | 238,000 | 9,100 | 31,300 | 2,200 | 153,000 | 1,595,000 |
| July 1, 1982 | 4,650 | 61,200 | 850 | 158,000 13,700 | 12,700 | 3,750 | 8,150 | 5.700 | 4,200 | 10,100 | 5,100 | 1,250 | 2,350 | 659,000 | 12,500 | 15,800 | 15,300 | 11,600 | 26,700 | 24,800 | 232,000 | 8,700 | 29,800 | 2,000 | 151,000 | 1,558,000 |
| July 1, 1981 | 4,600 | 59,400 | 850 | 153,000 13,100 | 12,000 | 3,700 | 8,400 | 5,600 | 4,050 | 9,450 | 5,000 | 1,350 | 2,250 | 641,000 | 12,600 | 15,200 | 15,100 | 11,100 | 26,500 | 22,100 | 227,000 | 8,850 | 27,900 | 2,000 | 148,000 | |
| July 1, 1980 | 4,400 | 57,700 | 750 | 148,000 12,700 | 11,600 | 3,700 | 8,250 | 5.550 | 4,050 | 9,050 | 4,950 | 1,350 | 2,150 | 625,000 | 12,400 | 14,800 | 14,900 | 10,400 | 26,200 | 20,700 | 220,000 | 8,650 | 26,400 | 1,950 | 145,000 | 1,474,000 1,515,000 |
| | Beaver Box Elder | Cache | Daggett | Davis Duchesne | Emery | Garfield | Grand | Inah | Kane | Millard | Morgan | Piute | Rich | Salt Lake | San Juan | Sanpete | Sevier | Summit | Tooele | Uintah | Utah | Wasatch | Washington | Wayne | Weber | State |

* Preliminary Note: Totals may not add due to rounding. Source: Utah Population Estimates Committee.

Table 28
Total Fertility Rates
Utah and U.S.

| | Utah | U.S. | | Utah | U.S. |
|------|------|------|------|------|------|
| 1060 | 4.2 | 27 | 1976 | 3.2 | 1.7 |
| 1960 | 4.3 | | | | |
| 1961 | 4.2 | | 1977 | 3.3 | |
| 1962 | 4.2 | 3.5 | 1978 | 3.3 | 1.8 |
| 1963 | 3.9 | 3.3 | 1979 | 3.3 | 1.8 |
| 1964 | 3.6 | 3.2 | 1980 | 3.2 | 1.8 |
| 1965 | 3.2 | 2.9 | 1981 | 3.1 | 1.8 |
| 1966 | 3.2 | 2.7 | 1982 | 3.0 | 1.8 |
| 1967 | 3.1 | 2.6 | 1983 | 2.8 | 1.8 |
| 1968 | 3.0 | 2.5 | 1984 | 2.7 | 1.8 |
| 1969 | 3.1 | 2.5 | 1985 | 2.7 | 1.8 |
| 1970 | 3.3 | 2.5 | 1986 | 2.6 | 1.8 |
| 1971 | 3.1 | 2.3 | 1987 | 2.5 | 1.9 |
| 1972 | 2.9 | 2.0 | 1988 | 2.6 | 1.9 |
| 1973 | 2.8 | 1.9 | 1989 | 2.6 | 1.9 |
| 1974 | 2.9 | 1.8 | 1990 | 2.6 | 2.0 |
| 1975 | 3.0 | 1.8 | 1991 | 2.6 | 2.0 |
| | | | | | |

Sources: Eileen Brown, "Fertility in Utah: 1960-1985;"
U.S. Bureau of the Census, Current Population
Reports, Series P-25, No. 1023 and the
Utah Department of Health.

Table 29
1991 Rankings of States by Selected Age Groups

| | , | ٥, | , o . | ۰ و | · s | ۰ ي | 2 2 | عد د | عم | 2 4 | ~ | ×2 : | · 6 · | & × | ر اد ج | - × | - 10 | 24 | <u>~</u> | 1 20 | *8 × | 2 × | 8 × | 5 75 | 5 76 | 88 | 88 | 80 1 | - P | 8 % | . % | 8 | 88 1 | 8 8 | 8 8 | S 86 | . 86 | 88 | 88 | 80 | 8 8 | 2 5 | 8 8 | . . | 8 | 88 |
|-----------------------------------|---------------|----------------------|--------------|------------|--------------|---------------|---------------------------|----------------|----------|------------|--------------|----------------|-------------|---------------|-----------------------|------------|----------|----------------|------------|--------------|----------------|-----------------------------|----------------------|-----------|------------|----------|-----------|--------------|-----------------------|----------------------------|--------------|----------|------------|---------------|--------------------------|----------------------|----------------|------------|----------|--------------|---------------|-------------|-------------------|----------------|--------------|----------------------|
| Percent of Total | 12.6% | 18.3% | 15.5% | 15.4% | 15.1% | 15.0% | 14.9% | 14.5% | 14.1% | 14.1% | 13.9% | 13.7% | 13.7% | 13.7% | 13.5% | 13.4% | 13.4% | 13.3% | 13.3% | 13.1% | 13.1% | 12.9% | 12.9% | 12.7% | 12.6% | 12.5% | 12.5% | 12.5% | 12.3% | 12.1% | 11.9% | 11.8% | 11.8% | 11.6% | 11.4% | 11.1% | 10.9 | 10.9% | 10.8% | 10.7 | 10.7% | 10.5% | 10.1% | 10.1% | 8.8% | 4.2% |
| Population Over 64 (000) | 31,754 | 2,432 | 1,858 | 431 | 152 | 2/1 | 104 | 92 | 225 | 726 | 346 | 824 | 401 | 451 | 166 | 1.041 | 108 | 661 | 497 | 1,432 | 2,357 | 529 | 11 | 7/4 | 208 | 1,448 | 555 | 323 | 826 | 1 130 | 124 | 19 | 290 | 128 | 120 | 474 | 530 | 168 | 682 | 138 | 49 | 3,18/ | 1,730 | 340 | 155 | 24 |
| | United States | Florida | Pennsylvania | Iowa | Rhode Island | West Virginia | Arkansas South Debote | North Dakota | Nebraska | Missouri | Kansas | Massachussetts | Oregon | Connecticut | Oklahoma | New Jersey | Montana | Wisconsin | Arizona | Ohio | New York | Alabama | District of Columbia | Tennessee | Indiana | Illinois | Minnesota | Mississippi | North Carolina | Delaware | Idaho | Vermont | Washington | New Hampshire | South Carolina Hawaii | Louisiana | Maryland | New Mexico | Virginia | Nevada | Wyoming | California | I exas Georgia | Colorado | Utah | Alaska |
| Percent of Total | 61.6% | %6.99 | 64.7% | 64.4% | 64.2% | 64.2% | 63.8% | 63.3% | 63.2% | 63.1% | 63.1% | 63.1% | 63.1% | 62.8% | %8.79 | 62.4% | 62.4% | 62.2% | 62.1% | 62.1% | 61.5% | 61.5% | 61.4% | 61.4% | 61.2% | 61.1% | 86.09 | 80.8% | 60.7% | 60.0% | 60.2% | %0.09 | 59.9% | 59.8% | 50.80% | 59.5% | 59.2% | 59.1% | 28.9% | 58.7% | 58.6% | 50.0% | 58.1% | 57.3% | 56.9% | \$4.9% |
| Population F 18-64 (000) | 155,278 | 400 | 4,065 | 3,130 | 366 | 824 | 4,153 | 3.798 | 717 | 4,180 | 429 | 269 | 2,075 | 4,8// | 11,335 | 3.093 | 354 | 2,214 | 3,114 | 623 | 7,098 | 2,283 | 5,758 | 3.437 | 10,624 | 6,687 | 2,489 | 7,274 | 1,773 | 1,092 | 2,983 | 276 | 3,092 | 1,900 | ,,, c | 921 | 1,476 | 7,847 | 476 | 1,393 | 1,639 | VIC,1 | 366 | 595 | 400 | 972 |
| | United States | District of Columbia | Virginia | Maryland | Alaska | Nevada | North Carolina | Massachussetts | Hawaii | Georgia | Delaware | New Hampshire | Connecticut | New Jersey | California | Tennessee | Vermont | South Carolina | Washington | Rhode Island | Illinois | Kentucky | Meine | Indiana | Texas | Ohio | Alabama | Pennsylvania | Oregon | West virginia Minnesota | Wisconsin | Wyoming | Missouri | Oktahoma | I.ouisiana | New Mexico | Kansas | Florida | Montana | Arkansas | lowa | Nississippi | North Dakota | Idaho | South Dakota | Utah |
| Percent of Total | 18.2% | 26.4% | 22.7% | 22.2% | 21.6% | 21.2% | 21.2% | 20.8% | 20.4% | 20.2% | 20.0% | 19.8% | 19.4% | 19.3% | 19.2% | 19.2% | 19.0% | 19.0% | 18.9% | 18.9% | 18.9% | 18.9% | 18.8% | 18.7% | 18.6% | 18.5% | 18.5% | 18.4% | 3.4% | 18.2% | 18.1% | 18.1% | 17.8% | 17.6% | 17.2% | 17.2% | 17.1% | 17.1% | 17.0% | 16.8% | 16.8% | 16.3% | 15.9% | 15.7% | 15.7% | 13.0% |
| Population 5-17 (000) | 45,923 | 468 | 236 | 102 | 123 | 3.28 | 249 804 | 146 | 165 | 3,512 | 127 | 315 | 615 | 482 | 456 851 | 949 | 532 | 776 | 703 | 1,252 | 1,059 | 1,767 | 700 | 962 | 932 | 625 | 2,023 | 539 | 331 | 103 | 5,512 | 224 | 884 | 195 | 117 | 1.158 | 1,078 | 220 | 824 | 2,014 | 3,026 | 1,2,1 | 160 | 943 | 2,083 | 78 |
| | United States | Utah | Idaho | Wyoming | Alaska | New Mexico | Mississippi I onisiana | South Dakota | Montana | Техаѕ | North Dakota | Nebraska | Oklahoma | Kansas | Arkansas Minnesote | Wisconsin | Iowa | Alabama | Kentucky | Georgia | Indiana | Michigan South Constinue | South Carolina | Missouri | Washington | Colorado | Ohio | Oregon | West Virginia | Vermont | California | Maine | Tennessee | New Hampshire | Delaware | North Carolina | Vırginia | Nevada | Maryland | Pennsylvania | New York | Connecticut | Rhode Island | Massachussetts | Florida | District of Columbia |
| Percent of Total | 7.6% | 10.0% | 9.8% | 8.7% | % % % | 84.0 84.0 | 8.5% 8.0% | 7.9% | 7.9% | 7.9% | 7.8% | 7.8% | 7.8% | 7.18 | 7.1% | 7.7% | 7.6% | 7.6% | 7.6% | 7.6% | 7.6% | 7.5% | 7.3% | 84.7 | 7.4% | 7.3% | 7.3% | 7.3% | 7.3% | 7.3% | 7.2% | 7.2% | 7.2% | 87.7 | 7.2% | 7.2% | 7.2% | 7.2% | 7.2% | 7.0% | 7.0% | 80.7 | 6.9% | 6.9% | 6.8% | 5.9% |
| Population F Under 5 (000) | 19,222 | 57 | 174 | 2,651 | 1,45/ | 150 | 330 | 523 | 82 | 101 | 68 | 202 | 377 | 83 789 | 99/ 54 | 717 | 258 | 383 | 338 | 190 | 270 | 120 | 1.340 | 42 | 34 | 461 | 378 | 362 | 565 | 796 | 46 | 230 | 406 | 292 | 485 | 43 | 431 | 170 | 209 | 346 | 9/ % | 193 | 256 | 915 | 816 | 106 |
| | United States | Alaska | Utah | California | lexas | New Mexico | I.onisiana | Georgia | Idaho | Nevada | Hawaii | Mississippi | Maryland | New Hampsnire | South Dakota | Michigan | Colorado | Washington | Minnesota | Kansas | South Carolina | Neoraska | New York | Vermont | Wyoming | Virginia | Missouri | Wisconsin | Montana New Jersey | Ohio | North Dakota | Oklahoma | Indiana | Connecticut | North Carolina | District of Columbia | Massachussetts | Arkansas | Oregon | Dhode Telend | Maine Islaniu | Iowa | Kentucky | Florida | Pennsylvania | West Virginia |
| Ranking by Percent of Total | | | 7 (| m 1 | 4 u | c y | ٦ د | - 00 | 0 | 10 | 11 | 12 | 13 | 4 7 | C 7 | 17 | 18 | 19 | 20 | 21 | 22 | 57 6 | 25 | 56 26 | 27 | 28 | 29 | 30 | 33 | 33 | 34 | 35 | 3, 26 |) e | 36 | 40 | 41 | 42 | £ ; | 44 | 4 4 | 47 | 84 | 49 | 20 | 21 |

Source: U.S. Bureau of the Census, Population Estimates Branch.

Table 30 1991 Dependency Ratios for States

| Rank | Dependents Per 100 of Working Age | Rank | Pre-School Per 100 of Working Age | Rank | School Age Per 100 of Working Age | Rank | Retirement Age Per 100 of Working Age |
|--|---|--|---|--|---|----------------------------------|---|
| U.S. Average | 62 | U.S. Average | 12 | U.S. Average | 30 | U.S. Average | 20 |
| 1 Utah | 82 | 1 Utah | 18 | 1 Utah | 48 | 1 Florida | 31 |
| 2 South Dakota | 76 | 2 Alaska | 16 | 2 Idaho | 04 6 | 2 Iowa | 26 |
| 5 Idano 4 North Dakota | 72 | 5 New Mexico 4 California | 4. 4. | 5 Wyoming 4 South Dakota | 37 | 3 South Dakota 4 Pennsylvania | 26 |
| | 71 | | 4. | 5 Mississippi | 36 | | 25 |
| | 71 | 6 Idaho | 14 | 6 New Mexico | 36 | | 25 |
| 7 Iowa | 71 | 7 Texas | 4 2 | 7 Louisiana | 35 | 7 West Virginia | 25 |
| 9 Montana | 70 | | 13 | | 34 | | 24 4 |
| | 69 | 10 Mississippi | 13 | 10 Nebraska | 34 | | 23 |
| | 69 | 11 Nebraska | 13 | 11 Alaska | 34 | | 23 |
| 12 New Mexico | 67 67 | 12 Kansas 13 Minnesota | <u> </u> | 12 lexas 13 Arkansas | ກະຕ | 12 Montana 13 Oklahoma | 23 |
| | 67 | | 13 | 14 Kansas | 33 | | 23 |
| 15 Louisiana | 19 | | 12 | 15 Iowa | 32 | | 22 |
| 16 Wyoming | <i>19</i> | 16 North Dakota | 12 | 16 Oklahoma | 32 | 16 Arizona | 22 |
| 1 Wisconsin | /6 | 1 / Ivitchigan | 12 | 18 Minnesota | 32 32 | 17 Manne 18 Connecticut | 22 |
| | 65 | | 12 | | 31 | | 22 |
| 20 West Virginia | 65 | 20 Wyoming | 12 | - | 31 | | 21 |
| 21 Oregon | 65 | 21 Washington | 12 | 21 Missouri | 31 | 21 New Jersey | 21 |
| 23 Alahama | 4 4 | 23 Missouri | 12 | | 31 | 23 Alabama | 21 |
| | 64 | | 12 | | 31 | | 21 |
| | 63 | - | 12 | | 30 | | 21 |
| 26 Indiana 27 Michigan | 63 | 26 South Carolina 27 Wisconsin | 12 | 27 Ohio | 30 | 26 Kentucky 27 Minnesofa | 21 |
| | 63 | | 12 | | 30 | | 21 |
| | 63 | | 12 | | 30 | 29 Illinois | 500 |
| 30 Illinois 31 Phode Jelend | 63 | 30 Colorado 31 Ohio | 12 | 3.0 Washington | 30 | 30 Jennessee | 0, 0, |
| | 61 | | 12 | | 30 | | 19 |
| | 61 | | 12 | | 29 | 33 Delaware | • |
| 34 Tennessee | 09 | 34 Alabama | 17 | 34 Colorado | 29 | 34 District of Columbia | 19 |
| 36 California | 09 | | 17 | | 29 | 36 Vermont | 10 |
| | 59 | 37 Oregon | 12 | | 28 | 37 Louisiana | 19 |
| | 59 | | 12 | 38 Hawaii | 200 | 38 South Carolina | 8 1 18 |
| 40 New Hampshire | 50 | 39 Florida 40 New Jersev | 12 | 39 Femisylvania 40 Delaware | 27 | 40 New Mexico | 18 |
| | 20 | | 11 | | 27 | | 18 |
| | 58 | 42 North Carolina | 11 | | 27 | | 18 |
| | 58 | | Π; | | 27 | | 71 |
| | 288 | | -1 - | 44 Florida | 77 | 44 Virginia | 17 |
| 45 North Carolina 46 Colorado | 57 | 45 Virginia 46 Rhode Island | 11 | 45 Virginia 46 Maryland | 7 7 7 8 | | 17 |
| | 26 | | 11 | | 26 | | 17 |
| 48 Nevada | 56 | | ======================================= | | 26 | | 16 |
| 49 Maryland | | 49 Tennessee | - | 49 Connecticut | 25 | 49 Utah | 16 |
| 50 Varginia 51 Dietrict of Columbia | 50 | 50 District of Columbia 51 West Virginia | 101 | 50 Massachussetts 51 District of Columbia | 20 | 51 Alaska | ۲ ر |
| | | | | | | | |

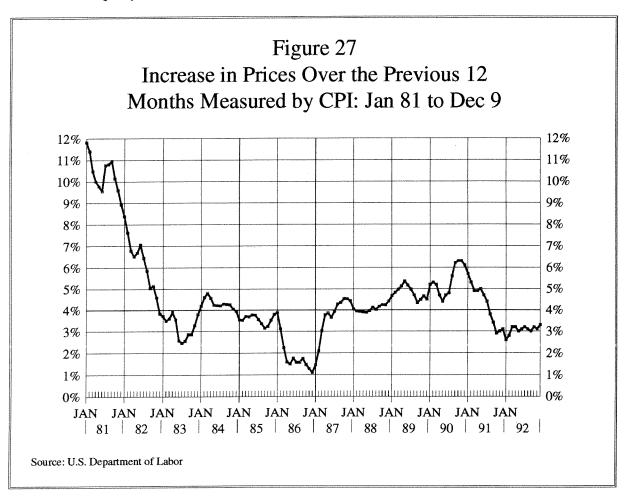
Source: U.S. Bureau of the Census, Population Estimates Branch.

PRICES, INFLATION AND COST OF LIVING

Consumer Price Index

The pace of inflation, as measured by the Consumer Price Index for all urban consumers, decelerated significantly throughout 1992, and the expected 1993 change is approximately 3.0 percent. Throughout 1992, the year-to-year Consumer Price Index increase was consistently between 2.75 to 3.25 percent (Figure 27). The 1992 annual average increase is estimated at 3.1 percent (Table 31).

Several factors contribute to the benign outlook for inflation in 1993. A modestly improved national economic environment will continue to limit the extent of the price gains that can be absorbed in most markets. Wage gains decelerated in 1992 and will likely remain in the 2.5 to 3.0 percent range in 1993. Furthermore, gold and raw-material commodity prices (including real estate in many parts of the nation) are flat to lower, and the U.S. dollar has recently firmed in exchange markets. Growth in the nation's money supply, while admittedly hard to interpret, has been below target ranges. Despite this litany of deflationary factors, the nation's bond market remains uneasy about an economic-policy overshoot that could reignite future inflation.



Gross Domestic Product Deflators

In the third quarter of 1992, the Gross Domestic Product (GDP) fixed-weight deflator was 2.8 percent above last year, but was down from 3.1 percent in the second quarter and 4.1 percent in 1991. The GDP personal consumption deflator in the third quarter was 3.2 percent above last year, down from 1991's 4.4 percent annual gain. For 1992 the GDP Implicit Price Deflator is estimated at 120.9, a 2.6 percent increase (Table 32).

Utah Cost of Living

The American Chamber of Commerce Researchers Association (ACCRA) Cost of Living Index is prepared quarterly and includes comparative data for approximately 270 urban areas (Figure 28). The index consists of price comparisons for a single point in time, but it does not measure inflation or price changes over time. The index does measure the differences between areas in the cost of consumer goods and services, as compared with a national average of 100. The composite index is based on six components, including grocery items, housing, utilities, transportation, health care, and miscellaneous goods and services. The Salt Lake Area Chamber of Commerce is a member of ACCRA and submits quarterly data for the local area.

The second-quarter 1992 composite index for Salt Lake City was 96.9, or 3.1 percent below the national average for the quarter. Other Utah cities included in the second-quarter survey were Cedar City (91.4), Provo-Orem (98.5), and St. George (100.8) as found in Table 33. Historical figures by component for the Salt Lake City may be found in Table 34.

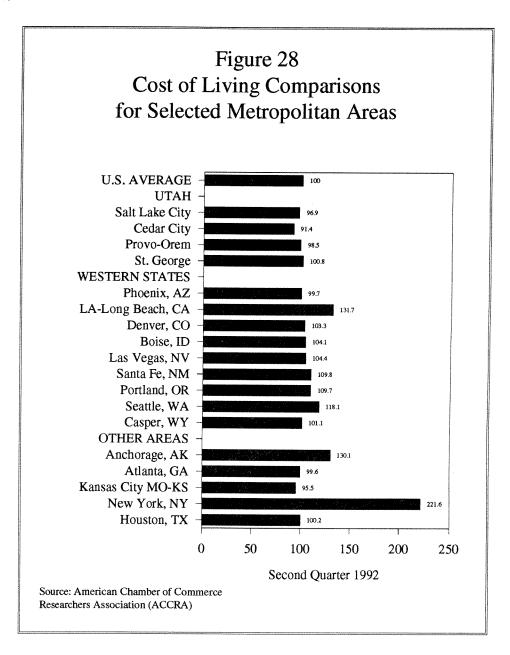


Table 31
U.S. Consumer Price Index
All Urban Consumers (CPI-U)
1982-1984 = 100

| | | | | | | | | | | | | | Annual | Percent | Change |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------|-----------|----------|
| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sep. | Oct. | Nov. | Dec. | Avg. | Dec-Dec | Ann. Avg |
| 1954 | 26.9 | 26.9 | 26.9 | 26.8 | 26.9 | 26.9 | 26.9 | 26.9 | 26.8 | 26.8 | 26.8 | 26.7 | 26.9 | -0.7 | 0.7 |
| 1955 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.8 | 26.8 | 26.9 | 26.9 | 26.9 | 26.8 | 26.8 | 0.4 | -0.4 |
| 1956 | 26.8 | 26.8 | 26.8 | 26.9 | 27.0 | 27.2 | 27.4 | 27.3 | 27.4 | 27.5 | 27.5 | 27.6 | 27.2 | 3.0 | 1.5 |
| 1957 | 27.6 | 27.7 | 27.8 | 27.9 | 28.0 | 28.1 | 28.3 | 28.3 | 28.3 | 28.3 | 28.4 | 28.4 | 28.1 | 2.9 | 3.3 |
| 1958 | 28.6 | 28.6 | 28.8 | 28.9 | 28.9 | 28.9 | 29.0 | 28.9 | 28.9 | 28.9 | 29.0 | 28.9 | 28.9 | 1.8 | 2.8 |
| 1959 | 29.0 | 28.9 | 28.9 | 29.0 | 29.0 | 29.1 | 29.2 | 29.2 | 29.3 | 29.4 | 29.4 | 29.4 | 29.1 | 1.7 | 0.7 |
| 1960 | 29.3 | 29.4 | 29.4 | 29.5 | 29.5 | 29.6 | 29.6 | 29.6 | 29.6 | 29.8 | 29.8 | 29.8 | 29.6 | 1.4 | 1.7 |
| 1961 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 30.0 | 29.9 | 30.0 | 30.0 | 30.0 | 30.0 | 29.9 | 0.7 | 1.0 |
| 1962 | 30.1 | 30.1 | 30.1 | 30.2 | 30.2 | 30.2 | 30.3 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.2 | 1.3 | 1.0 |
| 1963 | 30.4 | 360.4 | 30.5 | 30.5 | 30.5 | 30.6 | 30.7 | 30.7 | 30.7 | 30.8 | 30.8 | 30.9 | 30.6 | 1.6 | 1.3 |
| 1964 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 31.1 | 31.1 | 31.0 | 31.1 | 31.1 | 31.2 | 31.2 | 31.0 | 1.0 | 1.3 |
| 1965 | 31.2 | 31.2 | 31.3 | 31.4 | 31.4 | 31.6 | 31.6 | 31.6 | 31.6 | 31.7 | 31.7 | 31.8 | 31.5 | 1.9 | 1.6 |
| 1966 | 31.8 | 32.0 | 32.1 | 32.3 | 32.3 | 32.4 | 32.5 | 32.7 | 32.7 | 32.9 | 32.9 | 32.9 | 32.4 | 3.5 | 2.9 |
| 1967 | 32.6 | 32.9 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 33.4 | 3.0 | 3.1 |
| 1968 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5 | 34.7 | 34.9 | 35.0 | 35.1 | 35.3 | 35.4 | 35.5 | 34.8 | 4.7 | 4.2 |
| 1969 | 35.6 | 35.8 | 36.1 | 36.3 | 36.4 | 36.6 | 36.8 | 37.0 | 37.1 | 37.3 | 37.6 | 37.7 | 36.7 | 6.2 | 5.5 |
| 1970 | 37.8 | 38.0 | 38.2 | 38.5 | 38.6 | 38.8 | 39.0 | 39.0 | 39.2 | 39.4 | 39.6 | 39.8 | 38.8 | 5.6 | 5.7 |
| 1971 | 39.8 | 39.9 | 40.0 | 40.1 | 40.3 | 40.6 | 40.7 | 40.8 | 40.8 | 40.9 | 40.9 | 41.1 | 40.5 | 3.3 | 4.4 |
| 1972 | 41.1 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.9 | 42.0 | 42.1 | 42.3 | 42.4 | 42.5 | 41.8 | 3.4 | 3.2 |
| 1973 | 42.6 | 42.9 | 43.3 | 43.6 | 43.9 | 44.2 | 44.3 | 45.1 | 45.2 | 45.6 | 45.9 | 46.2 | 44.4 | 8.7 | 6.2 |
| 1974 | 46.6 | 47.2 | 47.8 | 48.0 | 48.6 | 49.0 | 49.4 | 50.0 | 50.6 | 51.1 | 51.5 | 51.9 | 49.3 | 12.3 | 11.0 |
| 1975 | 52.1 | 52.5 | 52.7 | 52.9 | 53.2 | 53.6 | 54.2 | 54.3 | 54.6 | 54.9 | 55.3 | 55.5 | 53.8 | 6.9 | 9.1 |
| 1976 | 55.6 | 55.8 | 55.9 | 56.1 | 56.5 | 56.8 | 57.1 | 57.4 | 57.6 | 57.9 | 58.0 | 58.2 | 56.9 | 4.9 | 5.8 |
| 1977 | 58.5 | 59.1 | 59.5 | 60.0 | 60.3 | 60.7 | 61.0 | 61.2 | 61.4 | 61.6 | 61.9 | 62.1 | 60.6 | 6.7 | 6.5 |
| 1978 | 62.5 | 62.9 | 63.4 | 63.9 | 64.5 | 65.2 | 65.7 | 66.0 | 66.5 | 67.1 | 67.4 | 67.7 | 65.2 | 9.0 | 7.6 |
| 1979 | 68.3 | 69.1 | 69.8 | 70.6 | 71.5 | 72.3 | 73.1 | 73.8 | 74.6 | 75.2 | 75.9 | 76.7 | 72.6 | 13.3 | 11.3 |
| 1980 | 77.8 | 78.9 | 80.1 | 81.0 | 81.8 | 82.7 | 82.7 | 83.3 | 84.0 | 84.8 | 85.5 | 86.3 | 82.4 | 12.5 | 13.5 |
| 1981 | 87.0 | 87.9 | 88.5 | 89.1 | 89.8 | 90.6 | 91.6 | 92.3 | 93.2 | 93.4 | 93.7 | 94.0 | 90.9 | 8.9 | 10.3 |
| 1982 | 94.3 | 94.6 | 94.5 | 94.9 | 95.8 | 97.0 | 97.5 | 97.7 | 97.9 | 98.2 | 98.0 | 97.6 | 96.5 | 3.8 | 6.2 |
| 1983 | 97.8 | 97.9 | 97.9 | 98.6 | 99.2 | 99.5 | 99.9 | 100.2 | 100.7 | 101.0 | 101.2 | 101.3 | 99.6 | 3.8 | 3.2 |
| 1984 | 101.9 | 102.4 | 102.6 | 103.1 | 103.4 | 103.7 | 104.1 | 104.5 | 105.0 | 105.3 | 105.3 | 105.3 | 103.9 | 3.9 | 4.3 |
| 1985 | 105.5 | 106.0 | 106.4 | 106.9 | 107.3 | 107.6 | 107.8 | 108.0 | 108.3 | 108.7 | 109.0 | 109.3 | 107.6 | 3.8 | 3.6 |
| 1986 | 109.6 | 109.3 | 108.8 | 108.6 | 108.9 | 109.5 | 109.5 | 109.7 | 110.2 | 110.3 | 110.4 | 110.5 | 109.6 | 1.1 | 1.9 |
| 1987 | 111.2 | 111.6 | 112.1 | 112.7 | 113.1 | 113.5 | 113.8 | 114.4 | 115.0 | 115.3 | 115.4 | 115.4 | 113.6 | 4.4 | 3.6 |
| 1988 | 115.7 | 116.0 | 116.5 | 117.1 | 117.5 | 118.0 | 118.5 | 119.0 | 119.8 | 120.2 | 120.3 | 120.7 | 118.3 | 4.6 | 4.1 |
| 1989 | 121.1 | 121.6 | 122.3 | 123.1 | 123.8 | 124.1 | 124.4 | 124.6 | 125.0 | 125.6 | 125.9 | 126.1 | 124.0 | 4.5 | 4.8 |
| 1990 | 127.4 | 128.0 | 128.7 | 128.9 | 129.2 | 129.9 | 130.4 | 131.6 | 132.7 | 133.5 | 133.8 | 133.8 | 130.7 | 6.1 | 5.4 |
| 1991 | 134.6 | 134.8 | 135.0 | 135.2 | 135.6 | 136.0 | 136.2 | 136.6 | 137.2 | 137.4 | 137.8 | 137.9 | 136.2 | 3.1 | 4.2 |
| 1992 | 138.1 | 138.6 | 139.3 | 139.5 | 139.7 | 140.2 | 140.5 | 140.9 | 141.3 | 141.8 | 142.1 | 142.3 (e) | 140.4 (e |) 3.2 (e) | 3.1 |

(e) = estimate

Source: U.S. Bureau of Labor Statistics and Utah Office of Planning and Budget.

Table 32
Gross Domestic Product
Implicit Price Deflators
1987 = 100

| | Gross Domestic Product Deflator | Change from Previous Year | Personal Consumption Expenditures Deflator | Change from Previous Year |
|------|---------------------------------|---------------------------------|---|---------------------------------|
| 1974 | 44.9 | 8.7% | 45,2 | 10.2% |
| 1975 | 49.2 | 9.6% | 48.9 | 8.2% |
| 1976 | 52.3 | 6.3% | 51.8 | 5.9% |
| 1977 | 55.9 | 6.9% | 55.4 | 6.9% |
| 1978 | 60.3 | 7.9% | 59.4 | 7.2% |
| 1979 | 65.5 | 8.6% | 64.7 | 8.9% |
| 1980 | 71.7 | 9.5% | 71.4 | 10.4% |
| 1981 | 78.9 | 10.0% | 77.8 | 9.0% |
| 1982 | 83.8 | 6.2% | 82.2 | 5.7% |
| 1983 | 87.2 | 4.1% | 86.2 | 4.9% |
| 1984 | 91 | 4.4% | 89.6 | 3.9% |
| 1985 | 94.4 | 3.7% | 93.1 | 3.9% |
| 1986 | 96.9 | 2.6% | 96 | 3.1% |
| 1987 | 100 | 3.2% | 100 | 4.2% |
| 1988 | 103.9 | 3.9% | 104.2 | 4.2% |
| 1989 | 108.5 | 4.4% | 109.3 | 4.9% |
| 1990 | 113.2 | 4.3% | 115 | 5.2% |
| 1991 | 117.8 | 4.1% | 120 | 4.3% |
| 1992 | 120.9 (e) | 2.6% | 123.6 | 3.0% |

Source: U.S. Department of Commerce, Bureau of Economic Analysis, 1992, and Utah Office of Planning and Budget.

Table 33
American Chamber of Commerce Researcher's Association
Composite Cost of Living Comparisons
Selected Metropolitan Areas
Second Quarter 1992

| COMPONENT INDEX WEIGHTS: | 100% All Items | 13% Groceries | 28% Housing | 9% Utilities | 10% Transportation | 5% Health Care | 35% Misc-Goods-Services |
|-------------------------------|-------------------|------------------|----------------|-----------------|-----------------------|-------------------|----------------------------|
| US AVERAGE | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Salt Lake City | 6'96 | 105.3 | 84.8 | 92.8 | 104.6 | 101.1 | 101.6 |
| Cedar City (Nonmetro) | 91.4 | 104.0 | 9.62 | 83.3 | 2.96 | 89.3 | 97.1 |
| Provo-Orem | 98.5 | 7.86 | 9.96 | 90.5 | 103.3 | 96.4 | 100.8 |
| St George (Nonmetro) | 100.8 | 103.8 | 104.3 | 82.5 | 101.9 | 102.6 | 101.1 |
| WESTERN STATES | | | | | | | |
| Phoenix AZ | 1.66 | 97.5 | 92.2 | 102.1 | 113.1 | 112.7 | 100.3 |
| Los Angeles- Long Beach CA | 131.7 | 107.8 | 187.9 | 82.9 | 118.0 | 135.2 | 111.6 |
| Denver CO | 103.3 | 96.1 | 109.9 | 93.9 | 111.0 | 120.3 | 98.4 |
| Boise ID | 104.1 | 94.8 | 116.2 | 74.7 | 91.8 | 111.3 | 107.9 |
| Las Vegas NV | 104.4 | 94.9 | 113.5 | 83.5 | 115.3 | 113.3 | 101.7 |
| Santa Fe NM | 109.8 | 8.96 | 135.9 | 6.98 | 106.8 | 106.1 | 101.1 |
| Portland OR | 109.7 | 98.1 | 132.0 | 72.0 | 112.1 | 124.3 | 103.2 |
| Seattle WA | 118.1 | 115.7 | 147.8 | 62.7 | 111.3 | 141.2 | 108.0 |
| Casper WY | 101.1 | 101.8 | 104.1 | 73.4 | 93.9 | 97.2 | 108.3 |
| OTHER AREAS | | | | | | | |
| Anchorage AK | 130.1 | 131.9 | 140.1 | 101.1 | 116.8 | 178.4 | 125.7 |
| Atlanta GA | 9.66 | 97.4 | 0.66 | 113.9 | 99.1 | 117.5 | 94.9 |
| Kansas City MO-KS | 95.5 | 91.9 | 94.8 | 94.1 | 98.4 | 99.3 | 5.96 |
| New York NY | 221.6 | 147.2 | 397.8 | 169.9 | 126.7 | 208.8 | 150.4 |
| Houston TX | 100.2 | 106.2 | 91.3 | 101.1 | 119.0 | 104.3 | 8.86 |
| | | | | | | | |

Source: American Chamber of Commerce Researchers Association (ACCRA).

Table 34
American Chamber of Commerce Researcher's Association
Cost of Living Comparisons
Salt Lake City Metropolitan Area
Second Quarter

| | T | | | | | | | | | | | | | = |
|-----------------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 35% Misc-Goods | 100.0 | 101.8 | 0.66 | 92.2 | 6:86 | 107.1 | 107.5 | 103.4 | 104.4 | 100.9 | 101.9 | 99.2 | 101.6 | |
| 5% Health Care | 100.0 | 100.9 | 100.6 | 9.86 | 106.8 | 103.2 | 105.3 | 101.6 | 106.1 | 100.9 | 93.7 | 93.3 | 101.1 | |
| 10% Transportation | 100.0 | 107.8 | 103.5 | 95.2 | 97.5 | 102.2 | 98.6 | 105.5 | 105.4 | 101.1 | 97.0 | 100.4 | 104.8 | |
| 9% Utilities | 100.0 | 80.7 | 89.4 | 0.88 | 88.2 | 95.3 | 97.2 | 96.2 | 94.0 | 8.68 | 84.4 | 93.4 | 92.8 | |
| 28% Housing | 100.0 | 107.3 | 107.5 | 104.9 | 97.4 | 6.76 | 94.4 | 94.0 | 88.4 | 6'98 | 81.5 | 81.5 | 84.8 | |
| 13% Groceries | 100.0 | 96.1 | 101.2 | 96.2 | 100.3 | 100.6 | 102.9 | 95.4 | 94.6 | 94.8 | 88.8 | 95.4 | 105.3 | |
| 100% All Items | 100.0 | 100.1 | 100.9 | 0.96 | 0.86 | 101.7 | 101.4 | 99.3 | 98.3 | 92.6 | 92.0 | 93.8 | 6'96 | |
| COMPONENT INDEX WEIGHTS: | U.S. AVERAGE: | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | |

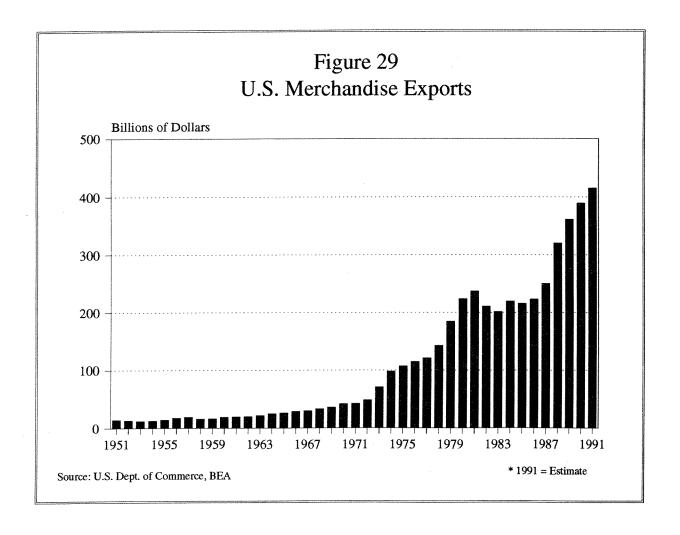
Source: American Chamber of Commerce Researchers Association (ACCRA).

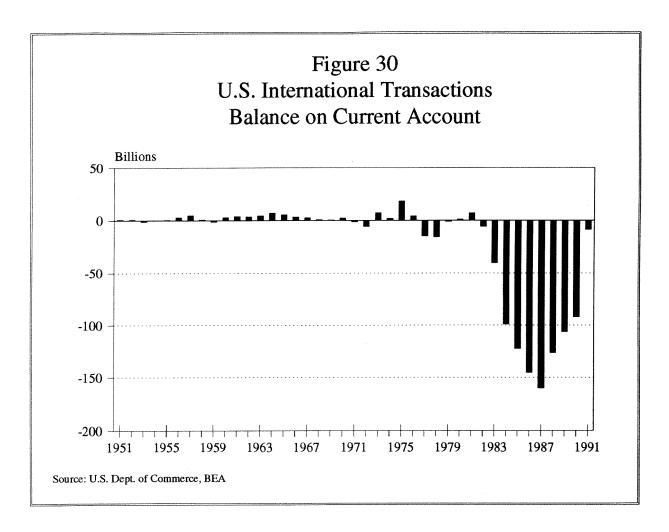
EXPORT ACTIVITY

Economists have long recognized the importance of export activity in providing jobs, income and wealth to local, regional and national economies. Never has the importance of free and fair trade been as important as in today's global economy where countries from all around the world exchange products and services. Through free trade the world's resources are directed to their most efficient uses because countries can capitalize on comparative advantages, specializations and economies of scale. The result is an increase in standards of living around the globe.

Global and National Trade

Export and import activity in the United States reflects the general trend of increased trade. As shown in Figure 29, U.S. merchandise exports, which include trade of agricultural, mining and manufactured products, grew substantially over the past two decades. Trade transactions are often more broadly categorized to include not only merchandise exports and imports, but also the exchange of services and investment. The balance of all of these transactions is referred to as the "balance on current account". Until 1983 the balance on current account fluctuated around zero, showing that exports of merchandise, services and investment were roughly offset by imports. In 1983, however, the United States started importing far more than it exported. These data are shown in Figure 30.





Several current events related to trade have the potential to profoundly impact trade activity in the United States, and to a lesser extent, Utah. The General Agreement on Tariffs and Trade (GATT) was initiated in 1947 and is currently in the eighth round of negotiations. The current negotiations include more than 100 countries and address a wide variety of issues including the reduction of tariffs and the safeguarding of intellectual property rights. Since GATT's inception, world tariffs have fallen from an average of 40 percent in 1947 to 4 percent today. The latest round of negotiations include a number of extremely difficult problems. Of particular concern are disputes over government subsidies for agriculture. Most recently the United States has threatened to levy 200 percent tariffs on European Community white wines, canola oil and wheat gluten unless the two sides can resolve an ongoing dispute over soybean and other oilseed products. If the GATT negotiations retreat from a focus on open international markets and a trade war results, the entire world economy will be impacted.

The North American Free-Trade Agreement (NAFTA) has recently been signed. This agreement, which includes the United States, Mexico and Canada, has the potential to create a market of 360 million consumers and a total annual output of more than \$6 trillion. Important objectives of the agreement include market access, services, investment, intellectual property rights, trade rules, labor and the environment. President George Bush signed the agreement in December 1992, but the agreement still needs to pass congress. President-elect Bill Clinton has expressed an interest in altering NAFTA to include more environmental controls and worker retraining provisions. Since Utah's merchandise trade with Canada and Mexico already amounts to \$343 million and in volume is second only to the United Kingdom, the success or failure of NAFTA has the potential to significantly impact export activity in Utah.

The last major current event related to world trade is European economic and monetary union, commonly referred to as EC 92. In 1985 the 12-member states of the European Community proposed to abolish, by the end of 1992, nearly all internal barriers to the free movement of goods, capital, services and people. The resulting integration of the European marketplace should help countries overcome the historical political and cultural obstacles that have

separated Europe for centuries. The 1992 reforms increase the importance of Europe in the world marketplace and should increase investment and export activities worldwide. For U.S. and Utah investors and exporters, EC 92 offers the benefit of an integrated market and economic growth. Europe should also have a single currency by the end of the decade. Since the United Kingdom, Germany, and France are among Utah's largest merchandise trade partners, the success or failure of EC 92 will impact Utah trade activity. Utah trade with the European Community will also be impacted by how well Utah companies adhere to the quality requirements of the International Standards Organization (ISO). The European Community will adopt these standards in January 1993.

Utah's International Business Development Program

The Utah Department of Community and Economic Development has recognized the importance of trade activity by initiating and supporting an International Business Development Program. The purpose of the program is to offer practical export assistance and information to Utah companies, promote Utah products in foreign markets, market the state as a competitive site for direct foreign investment, and host foreign country government diplomats, ambassadors, and corporate CEOs for the purpose of introducing them to the opportunities available in Utah.

As part of this program the state has established foreign trade offices in Japan, Korea, Taiwan, Belgium and Mexico. These offices help attract foreign investment into Utah and assist Utah products enter and expand in foreign markets.

Utah International Exports

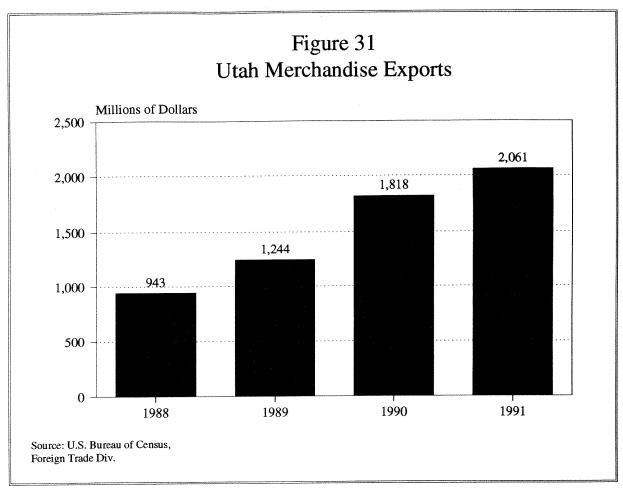
The Department of Commerce, in collaboration with the U.S. Customs Service, collects merchandise trade data. Merchandise trade data include international exports of agricultural, mining and manufactured products and are based on information provided on the Shipper's Export Declaration (SED) that accompanies each commodity shipment of \$2,501 or more that leaves the United States. These data are informative because they provide the only indication of Utah's foreign exports by both industry and country of destination.

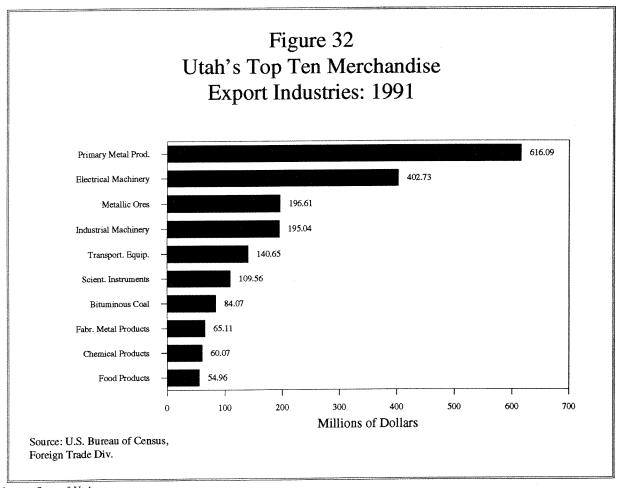
Merchandise trade data do, however, have significant limitations. The data exclude exports of services, most notably the prepackaged computer software of WordPerfect Corp. and Novell, Inc.; the data do not include interstate exports; the data are often reported by port rather than actual state of origin; and many SEDs have missing information about either state of origin, type of commodity or both. The Foreign Trade Division of the Census Bureau recognizes the problems with the data and is actively working to improve the accuracy.

In 1991, Utah's merchandise exports totaled over \$2.06 billion (Figure 31). In just four years Utah's merchandise exports have more than doubled, rising from \$943.32 million in 1988 to \$2.06 billion in 1991. This rate of increase is illustrative of the increased volume and importance of export activity globally.

Utah merchandise exports by industry are shown in Table 35. In 1991 Utah's largest export industry was primary metal products, followed by electrical machinery, metallic ores, industrial machinery, transportation equipment, and scientific instruments (Figure 32). Table 36 provides examples of Utah firms within each of the largest merchandise trade industries. Many of Utah's largest employers, such as Thiokol Corporation, Hercules, Geneva Steel, Kennecott Minerals, and Morton International, are all large export companies.

The largest share of Utah's merchandise exports flow to the United Kingdom where an estimated \$366 million worth of exports arrived in 1991. Canada is Utah's second largest trading partner, followed by Japan, Thailand, Hong Kong and Germany. Figure 33 shows Utah merchandise exports by country of destination.





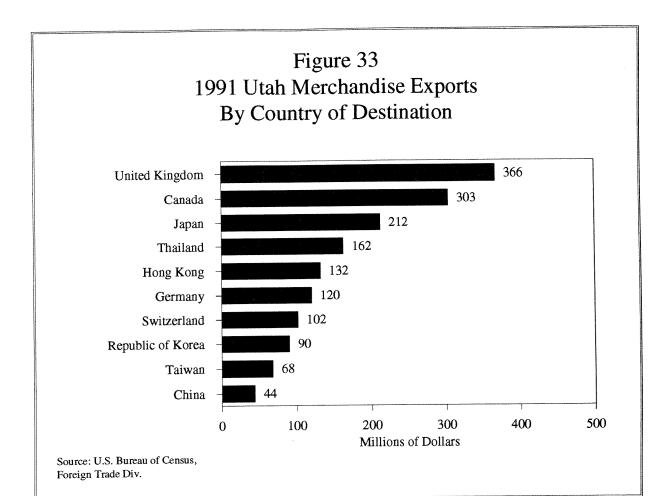


Table 35
Utah Merchandise Exports by Industry
(Thousands of Dollars)

| SIC Code | Industry Description | 1988 | 1989 | 1990 | 1991 | Percent of Total |
|-------------|---|----------------------|---------------------|---------------|---------------|---------------------|
| 01 | Agricultural Products | \$278.6 | \$1,687.1 | \$1,864.1 | \$1,477.2 | 0.1% |
| 02 | Livestock and Livestock Products | \$501.8 | \$562.0 | \$153.6 | \$98.4 | 0.0% |
| 08 | Forestry Products | \$189.0 | \$32.2 | \$52.5 | \$5.0 | 0.0% |
| 09 | Fishing, Hunting, and Trapping | \$3,521.2 | \$213.2 | \$572.0 | \$732.4 | 0.0% |
| 10 | Metallic Ores and Concentrates | \$15,668.7 | \$213,167.4 | \$209,220.6 | \$196,613.3 | 9.5% |
| 12 | Bituminous Coal and Lignite | \$32,775.4 | \$80,003.3 | \$64,021.2 | \$84,073.2 | 4.1% |
| 13 | Crude Petroleum and Natural Gas | | | | \$2.6 | 0.0% |
| 14 | Nonmetallic Minerals, Except Fuels | \$1,842.7 | \$10,265.9 | \$5,166.0 | \$7,833.0 | 0.49 |
| 20 | Food and Kindred Products | \$33,230.1 | \$53,931.7 | \$57,903.5 | \$54,963.2 | 2.79 |
| 21 | Tobacco Manufacturers | •• | | \$569.5 | | 0.09 |
| 22 | Textile Mill Products | \$1.577.8 | \$2.240.1 | \$2,162.2 | \$1,644.9 | 0.19 |
| 23 | Apparel and Related Products | \$10,967.0 | \$3,077.6 | \$3,368.5 | \$4,969.3 | 0.29 |
| 24 | Lumber and Wood Products, Except Furniture | \$572.9 | \$594.7 | \$1,687.3 | \$947.0 | 0.09 |
| 24 25 | Furniture and Fixtures | \$1,364.5 | \$2,093.4 | \$1,806.4 | \$2,964.6 | 0.19 |
| 25 26 | Paper and Allied Products | \$10.495.0 | \$10,691.9 | \$12,563.5 | \$6,650.0 | 0.39 |
| 20 27 | Printing, Publishing, and Allied Products | \$9,053.1 | \$24,885.4 | \$34,539.9 | \$19,731.5 | 1.09 |
| 28 | Chemicals and Allied Products | \$22,224.5 | \$40,406.4 | \$66,567.4 | \$60,072.8 | 2.99 |
| | Petroleum Refining and Related Products | \$2,124.7 | \$530.6 | \$3,925.5 | \$758.8 | 0.09 |
| 29 | Rubber and Misc. Plastic Products | \$27.050.7 | \$11,242.0 | \$9,675.8 | \$23,318.5 | 1.19 |
| 30 | Leather and Leather Products | \$584.2 | \$395.2 | \$1,404.0 | \$2,413.5 | 0.19 |
| 31 | | \$7,366.1 | \$3,366.5 | \$3,676.3 | \$3,552.2 | 0.29 |
| 32 | Stone, Clay, Glass, and Concrete Products | \$200,209.8 | \$95,443.0 | \$322.645.9 | \$616,094.1 | 29.99 |
| 33 | Primary Metal Products | \$21.653.2 | \$33,571.1 | \$36,721.2 | \$65,105.2 | 3.29 |
| 34 | Fabricated Metal Products, Except Mach./Tran. | \$117,563.4 | \$146,628.1 | \$202,848.0 | \$195,040.1 | 9.59 |
| 35 | Industrial Machinery, Except Electrical | \$281,318.0 | \$287,844.1 | \$446,497.0 | \$402,726.3 | 19.59 |
| 36 | Electrical/Electronic Machinery, Equip., and Supplies | \$25,825.0 | \$68,319.4 | \$144,321.3 | \$140,653.5 | 6.89 |
| 37 | Transportation Equipment | \$85,323.9 | \$116,766.7 | \$128,715.6 | \$109,561.9 | 5.39 |
| 38 | Scientific Instruments | \$18,348.1 | \$19,649.8 | \$22,642.4 | \$31,033.1 | 1.59 |
| 39 | Misc. Manufactured Commodities | \$8,633.2 | \$7,482.0 | \$20,099.5 | \$14,665.8 | 0.79 |
| | Scrap and Waste | \$8,033.2 \$451.1 | \$7,482.0 \$66.1 | \$4,653.4 | \$2,871.5 | 0.19 |
| | Used or Second-Hand Merchandise | \$431.1 | \$00.1 | \$3,101.8 | \$5,433.7 | 0.39 |
| | GDS Imported From Canada and Returned UN Special Classification Provisions | \$2,606.4 | \$8,843.5 | \$5,299.5 | \$5,234.5 | 0.39 |
| | TOTAL | \$943,320.1 | \$1,244,000.4 | \$1,818,445.4 | \$2,061,241.1 | |

Table 36 Examples of Utah Export Firms and Total Export Volume in 1991

| Industry | Examples of Utah Firms | Total Utah Export Volume (millions) |
|---------------------------|--|---|
| Primary Metal Products | Geneva Steel, Nucor Steel, Kennecott Minerals, Westinghouse, Westinghouse Electric, Magnesium Corporation of America | \$616.09 |
| Electrical Machinery | Unisys, National Semiconductor, Signetics, Varian Associates | \$402.73 |
| Metallic Ores | Kennecott Minerals | \$196.61 |
| Industrial Machinery | Eaton-Kenway, Evans and Sutherland, Unisys Defense Systems, Iomega | \$195.04 |
| Transportation Equipment | Morton International, Hercules McDonnell Douglas, Thiokol, E Systems | \$140.65 |
| Scientific Instruments | Litton Systems, Deseret Medical, Sorenson Reserch, Fresenius USA, Utah Medical Products, Ballard Medical Products | \$109.56 |
| Bituminous Coal | Utah Power and LightMining Division, Utah Fuel, Andalex Resource | \$84.07 |
| Fabricated Metal Products | Valtec, Vulcraft, Stott | \$65.11 |
| Chemical Products | Great Salt Lake Minerals and Chemicals, Huish Chemical | \$60.07 |
| Food and Kindred Products | E.A. Miller, Moroni Feed, Tri-Miller Packing, Stouffer Foods | \$54.96 |

Sources: U.S. Bureau of the Census, Foreign Trade Division, and the Utah Division of International Development.

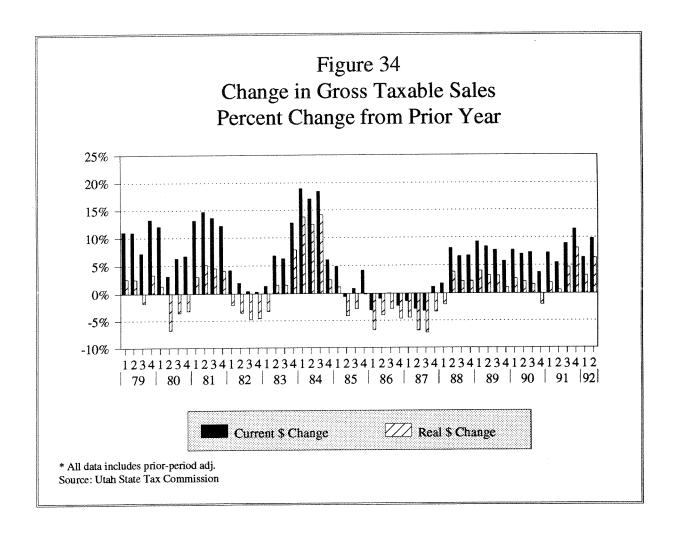
State of Utah

108

GROSS TAXABLE SALES

Gross taxable sales consist of all final sales of tangible personal property in the state, except for various exempted items. Also taxable are selected services such as: hotel and lodging; leases, rents and repairs to tangible property; and admissions to most amusement and recreation services (skiing, motion pictures, amusement parks, professional and college sports). In 1989, taxable sales of \$13.9 billion comprised almost half of Utah's gross state product of \$28.1 billion. Besides the 35 specific exempted items in the law, major exclusions from the tax base are: medical, personal and professional services; primary and intermediate goods production; and sales of real estate and intangible property (stocks and bonds). Utah's state and local sales and use taxes brought in over \$1 billion in revenue during the past fiscal year and is the largest revenue source for state and local governments.

Since the second calendar quarter of 1988, gross taxable sales and purchases have expanded 17 quarters in a row (Figure 34). Table 38 gives data on gross taxable sales for the state and counties from 1988 to 1991. In this expansion, growth rates have ranged from 4.4 to over 11.5 percent. In all but one of those quarters, taxable sales have also increased in real (inflation-adjusted) dollars. The only quarter in which real taxable sales did not grow was during the last quarter of 1990, a period in which the threat of the coming Persian Gulf War and rising gasoline prices sapped consumer confidence.

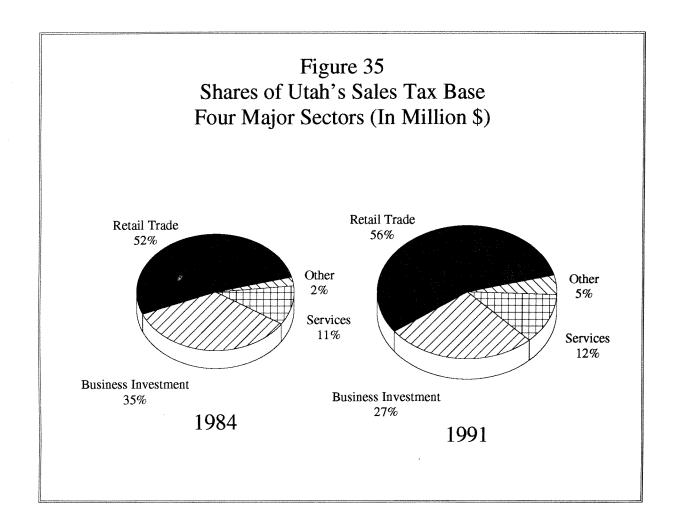


During the first three quarters of 1992, gross taxable sales have risen almost 8 percent, 3 percent better than the state's 5 percent forecast last year for 1992. Taxable sales are divided into three major categories (Figure 35 and Table 37 show shares of the three categories from 1991 and 1984):

- Retail trade sales
- Taxable business equipment investment and utility sales
- Taxable services

During the first half of 1992, retail trade grew twice as fast as the 6 percent growth estimated last year. For the year, retail sales should increase almost 9 percent over 1991 levels. Since retail trade comprises about 56 percent of total taxable sales, they account for all of the increase in actual sales above forecasted levels. Taxable services, which were forecasted to grow 10 percent in 1992, rose 7.2 percent in the first half of 1992. Business investment and utility sales and purchases, which were expected to rise only 0.6 percent in 1992, have so far decreased 2.4 percent from 1991 levels. Because of the 1991 completion of a major pipeline, which spanned the state, this sector was expected to see little, if any, growth this year.

For 1993, retail trade will advance a bit more modestly at a 6.5 percent rate. Taxable services should grow faster than the long term trend of 8 percent by growing 10 percent. Taxable business equipment and utility purchases will increase almost 8 percent due to corporate attempts to streamline equipment and productivity, as opposed to hiring more people.

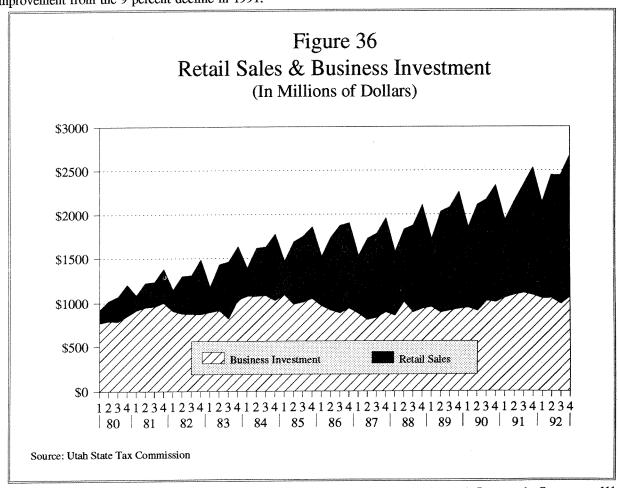


Retail Trade Sales

Retail sales growth of 12.2 percent during the first half of 1992 was very strong, partially because it followed the 3 percent first-half 1991 growth (which occurred during the Persian Gulf War). Figure 36 show retail sales and business investment from 1980 to 1992. During the second half of 1992, retail trade sales are expected to gain 6.5 percent, pushing overall 1992 retail sales more than 8 percent ahead of 1991 sales. In 1993, retail trade is expected to improve to a 6.5 percent growth rate. Retail sales can be dissected into two distinct groups, durable and nondurable goods sales.

Nondurable retail sales, consisting of goods lasting less than three years, and including general merchandise, apparel, food, shopping goods stores and restaurant sales, comprise almost 40 percent of gross taxable sales. Nondurables, which jumped almost 10 percent in the first half of 1992, are expected to rise about 8 percent for the entire year. During the second quarter of 1992, sales in each of the four sectors — general merchandise and apparel stores, food stores, eating and drinking places, and miscellaneous shopping goods stores — increased in double-digits. In fact, general merchandise and apparel store sales rose 13 percent in the first half of 1992, while restaurant and fast food sales saw an 11.7 percent gain. Even food store sales, which increased only 3 percent in 1991, jumped almost 12 percent in the second quarter of 1992. Continued nonfarm wage and salary growth along the Wasatch Front contributed to strong first-half nondurable retail sales.

Utah durable goods (goods generally lasting three years or more) jumped almost 18 percent during the first half of 1992. Durable sales include two subsectors — motor vehicle dealers and building, garden and furniture stores. Real motor vehicle dealer sales, which fell from early in 1989 through the first half of 1991, began to rebound in the second half of 1991 and jumped almost 15 percent in the first half of 1992. Improved consumer confidence due to steady wage and salary gains and lower gasoline prices probably contributed to upbeat new car and truck sales. Unit sales have increased about 12 percent during the first three quarters of 1992. These figures show a substantial improvement from the 9 percent decline in 1991.



The 50 percent gain in total construction values in Utah during the first half of 1992, due in part to the lowest mortgage rates in over 20 years, have spurred building, garden and furniture store sales. These sales rose over 22 percent in the first half and should see a gain of between 12 and 16 percent by the end of 1992. Sales for 1993 may grow between 10 and 20 percent since residential values are expected to increase almost 18 percent in 1992. This sector is expected to continue to improve into 1994 as mortgage rates hover between 8 and 9 percent and as Utah in-migration along with continued wage and salary gains keep pressure on housing demand. In addition, as Utah's (post-World War II) baby-boomers age, they will also attempt to upgrade furnishings and move into more expensive housing. Substantial increases in the average value of new residential construction, up 10 percent this year from \$84,200 per unit last year to \$92,900 this year, is evidence of this trend.

Business Equipment Investment and Utility Purchases

An almost 8 percent gain in business investment and utility sales during 1993 should occur for the following reasons:

- U.S. producers durable equipment sales will expand over 7 percent in 1993, as corporations update computer equipment and tend to favor capital instead of labor to improve productivity.
- Firming oil prices also will stimulate supply and equipment purchases and leasing.
- Relatively low real interest rates.
- Strong construction industry purchases.

Offsetting these gains somewhat will be lackluster purchases by defense contractors and others hit harder by the national recession.

Over 8 percent growth is expected in the manufacturing and construction sectors during 1993. Almost 9 percent growth is forecast for the transportation, communication and utilities sector in 1993. Figure 36 show retail sales and business investment from 1980 to 1992. Salt Lake International Airport's measure of heating degree days decreased almost 18 percent in the 1991-92 winter season. This winter, the index should be about 6 percent colder than last year.

According to the state's largest taxpayers, capital investment plans during October 1992 were up about 3 percent compared to last year's levels. Lower interest rates and favorable equipment prices will continue to boost Utah business investment spending.

Taxable Services

Utah taxes amusement and recreation sales, hotel sales and repairs and leases of tangible property. The state's taxable sales base, while only one-third of its potential by omitting professional and medical services, is still somewhat broader than most states. Since 1980 Utah's taxable services grew at compounded growth rates of 8.2 percent per year, in contrast to 6.8 percent growth rates for retail sales and 2.2 percent compounded growth rates for business investment and utility sales.

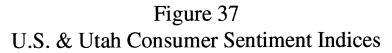
During the first half of 1992, taxable services rose 7.2 percent, somewhat less than the 10 percent forecast. Only a 5 percent gain was recorded during the first quarter as the warm weather prematurely closed several ski resorts. This negatively affected first-quarter hotel sales and ski pass sales. Second quarter service growth increased over 9 percent. Especially strong were amusement and recreation sales (up 22 percent) and business services (up 15.2 percent). Health sector purchases also jumped 19 percent in the second quarter.

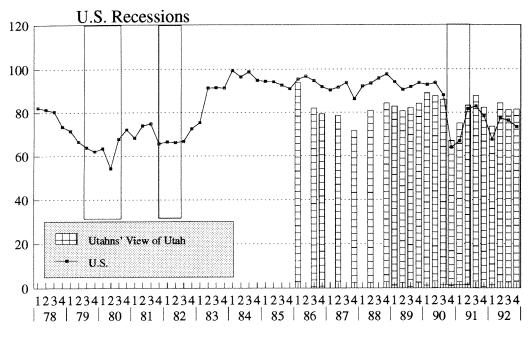
Taxable services appear to grow as permanent nonfarm wages and salaries increase. But almost half of service sector sales come from businesses: computer sales and leases, other equipment sales and leases, automobile rentals, and hotel and lodging sales. A strong tourism outlook, increased business activity, and a 7 percent gain in nonfarm wages and salaries should combine to forge a 10 percent increase in taxable services for 1993.

Consumer Sentiment

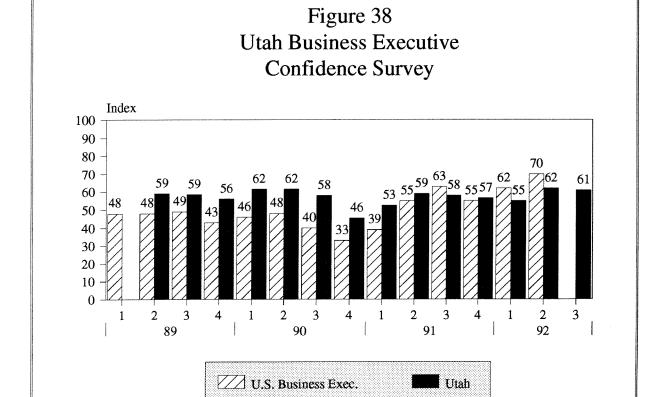
The Utah Survey Research Center conducts a Utah Consumer Survey during the first month of each calendar year quarter. The survey is sponsored by members of a partnership between the University of Utah, Utah state government, and private industry. The survey helps facilitate economic development in Utah by helping Utah businesses, economists, and financial analysts better understand consumer sentiment, perceptions, and the financial condition of Utah households. One component of the Consumer Survey is the Index of Consumer Sentiment.

The Index of Consumer Sentiment provides a general measure of consumer's opinions about the economy. Utah's index reflects Utah's strong economy and has exceeded the national index for the past nine quarters. Utah's 1992 index is estimated at 80.2, 5.2 points higher than the national index of 75.0. Figure 36 provides the U.S. and Utah consumer sentiment indices.





U.S. - University of Michigan Utah - University of Utah Survey Research Center



75=moderately better]

[25=moderately worse, 50=same,

Table 37
Utah Gross Taxable Sales
(Millions of Dollars)

| Calendar Year | Retail Sales | Business Investment Purchases | Taxable Services | All Other | Total Gross Taxable Sales |
|--|--|---|--|--|---|
| 1001 | 4,911 | 3,545 | 873 | 528 | 9,857 |
| 1981 | 4,911 5,225 | 3,343 | 1,018 | 505 | 10,019 |
| 1982 1983 | 5,655 | 3,423 | 1,018 | 519 | 10,685 |
| 1983 | 6,399 | 4,254 | 1,337 | 304 | 12,294 |
| 1985 | 6,749 | 4,122 | 1,379 | 324 | 12,574 |
| 1985 | 7,022 | 3,689 | 1,342 | 325 | 12,378 |
| 1987 | 6,982 | 3,398 | 1,520 | 289 | 12,189 |
| 1988 | 7,376 | 3,684 | 1,649 | 309 | 13,018 |
| 1989 | 8,080 | 3,676 | 1,753 | 384 | 13,893 |
| 1989 | 0,000 | 3,010 | 1,.00 | | , |
| 1990r | 8,424 | 3,864 | 1,749 | 737 | 14,774 |
| 1991r | 8,939 | 4,344 | 1,946 | 769 | 15,998 |
| 1992e | 9,710 | 4,271 | 2,085 | 884 | 16,950 |
| | ٧,٠٠٠ | - , | , | | |
| 1993f | 10,345 | 4,609 | 2,311 | 845 | 18,110 |
| | | 4,609 | 2,311 | 845 | 18,110 |
| 1993f Percent Chan | | 4,609 -7.7% | | -4.4% | |
| 1993f Percent Chan | ge | | | | 18,110 1.6% 6.6% |
| 1993f Percent Chan | ege 6.4% | -7.7% | 16.6% | -4.4% | 1.6% |
| 1993f Percent Chan 1982 1983 1984 | 6.4% 8.2% | -7.7% 4.6% | 16.6% 6.9% | -4.4% 2.8% | 1.6% 6.6% |
| 1993f Percent Chan 1982 1983 | 6.4% 8.2% 13.2% | -7.7% 4.6% 24.3% | 16.6% 6.9% 22.9% | -4.4% 2.8% -41.4% | 1.6% 6.6% 15.1% |
| 1993f Percent Chan 1982 1983 1984 1985 | 6.4% 8.2% 13.2% 5.5% | -7.7% 4.6% 24.3% -3.1% | 16.6% 6.9% 22.9% 3.1% | -4.4% 2.8% -41.4% 6.6% | 1.6% 6.6% 15.1% 2.3% |
| 1993f Percent Chan 1982 1983 1984 1985 1986 | 6.4% 8.2% 13.2% 5.5% 4.0% | -7.7% 4.6% 24.3% -3.1% -10.5% | 16.6% 6.9% 22.9% 3.1% -2.7% | -4.4% 2.8% -41.4% 6.6% 0.3% | 1.6% 6.6% 15.1% 2.3% -1.6% -1.5% |
| 1993f Percent Chan 1982 1983 1984 1985 1986 1987 | 6.4% 8.2% 13.2% 5.5% 4.0% -0.6% | -7.7% 4.6% 24.3% -3.1% -10.5% -7.9% | 16.6% 6.9% 22.9% 3.1% -2.7% 13.3% | -4.4% 2.8% -41.4% 6.6% 0.3% -11.1% | 1.6% 6.6% 15.1% 2.3% -1.6% -1.5% 6.8% |
| 1993f Percent Chan 1982 1983 1984 1985 1986 1987 1988 1989 | 6.4% 8.2% 13.2% 5.5% 4.0% -0.6% 5.6% 9.5% | -7.7% 4.6% 24.3% -3.1% -10.5% -7.9% 8.4% -0.2% | 16.6% 6.9% 22.9% 3.1% -2.7% 13.3% 8.5% 6.3% | -4.4% 2.8% -41.4% 6.6% 0.3% -11.1% 6.9% 24.3% | 1.6% 6.6% 15.1% 2.3% -1.6% -1.5% 6.8% 6.7% |
| 1993f Percent Chan 1982 1983 1984 1985 1986 1987 1988 1989 | 6.4% 8.2% 13.2% 5.5% 4.0% -0.6% 5.6% 9.5% | -7.7% 4.6% 24.3% -3.1% -10.5% -7.9% 8.4% -0.2% | 16.6% 6.9% 22.9% 3.1% -2.7% 13.3% 8.5% 6.3% | -4.4% 2.8% -41.4% 6.6% 0.3% -11.1% 6.9% 24.3% | 1.6% 6.6% 15.1% 2.3% -1.6% 6.8% 6.7% |
| 1993f Percent Chan 1982 1983 1984 1985 1986 1987 1988 1989 | 6.4% 8.2% 13.2% 5.5% 4.0% -0.6% 5.6% 9.5% | -7.7% 4.6% 24.3% -3.1% -10.5% -7.9% 8.4% -0.2% | 16.6% 6.9% 22.9% 3.1% -2.7% 13.3% 8.5% 6.3% | -4.4% 2.8% -41.4% 6.6% 0.3% -11.1% 6.9% 24.3% | 1.6% 6.6% 15.1% 2.3% -1.6% -1.5% 6.8% 6.7% |

r = Revised

Source: Utah State Tax Commission.

e = Estimate

f = Forecast

Table 38
Gross Taxable Sales
By County
(Millions of Dollars)

| County | 1986 | 85-86 change | 1987 | 86-87 change | 1988 | 87-88 change | 1989 | 88-89 change | 1990 (r) | 89-90 change | 1991 | 90-91 change |
|----------------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|
| Beaver | 22.0 | 31.21% | 20.8 | -5.54% | 24.8 | 10,33% | 24.5 | -1 12% | 72.7 | -0 53% | 36.4 | 63 06% |
| Box Elder | 193.6 | -2.05% | 203.6 | 5.17% | 202.2 | -0.67% | 212.8 | 5.21% | 218.6 | 2740% | 224.7 | 2 79% |
| Cache | 336.4 | 0.53% | 337.4 | 0.31% | 364.0 | 7.88% | 396.5 | 8.92% | 414.7 | 4.59% | 435.4 | 4 99% |
| Carbon | 178.3 | -4.34% | 170.4 | -4.43% | 173.1 | 1.55% | 193.7 | 11.94% | 188.9 | -2.49% | 196.0 | 3,75% |
| Daggett | 5.1 | 26.22% | 3.7 | -27.49% | 5.3 | 42.56% | 7.1 | 34.04% | 8.0 | 12.07% | 6.2 | -22.04% |
| Davis | 919.7 | 6.48% | 868.4 | -5.58% | 912.8 | 5.12% | 1,002.3 | %08.6 | 1,057.4 | 5.49% | 1,170.9 | 10.74% |
| Duchesne | 6.66 | -25.10% | 77.5 | -22.45% | 71.5 | -7.79% | 77.1 | 7.89% | 81.4 | 5.57% | 79.3 | -2.58% |
| Emery | 60.4 | 13.53% | 42.3 | -29.98% | 50.2 | 18.75% | 53.9 | 7.43% | 61.1 | 13.21% | 51.1 | -16.34% |
| Garfield | 24.1 | 7.32% | 27.4 | 13.75% | 30.5 | 11.24% | 33.1 | 8.49% | 34.7 | 4.98% | 36.6 | 5.48% |
| Grand | 51.9 | -9.41% | 50.2 | -3.35% | 60.5 | 20.67% | 9.59 | 8.35% | 69.2 | 5.50% | 75.8 | 9.54% |
| Iron | 136.8 | -17.38% | 139.3 | 1.87% | 149.5 | 7.33% | 164.8 | 10.21% | 167.4 | 1.59% | 201.2 | 20.19% |
| Juab | 33.2 | -10.88% | 33.8 | 1.95% | 28.3 | -16.23% | 31.3 | 10.61% | 30.6 | -2.28% | 34.7 | 13.40% |
| Kane | 33.1 | 4.89% | 35.9 | 8.54% | 40.7 | 13.25% | 46.4 | 14.11% | 43.7 | -5.89% | 47.6 | 8.92% |
| Millard | 159.5 | -13.12% | 38.2 | -76.02% | 180.5 | 372.05% | 70.0 | -61.20% | 68.5 | -2.20% | 124.1 | 81.17% |
| Morgan | 21.4 | -10.35% | 19.6 | -8.33% | 18.8 | -4.05% | 23.4 | 24.19% | 19.4 | -16.96% | 32.2 | 65.98% |
| Piute | 2.6 | 0.80% | 2.6 | 0.88% | 2.5 | -6.87% | 3.3 | 36.29% | 2.8 | -16.35% | 2.8 | 0.00% |
| Rich | 8.2 | -2.24% | 8.9 | -16.99% | 0.9 | -11.79% | 8.6 | 63.30% | 8.3 | -15.65% | 7.2 | -13.25% |
| Salt Lake | 6,243.9 | 1.05% | 6,141.7 | -1.64% | 6,493.0 | 5.72% | 6,859.7 | 5.65% | 7,305.5 | 6.50% | 7,835.3 | 7.25% |
| San Juan | 42.9 | -18.34% | 48.2 | 12.53% | 44.5 | -7.71% | 57.7 | 29.56% | 61.9 | 7.31% | 52.0 | -15.99% |
| Sanpete | 51.1 | -1.53% | 54.3 | 6.25% | 53.8 | -1.04% | 57.7 | 7.40% | 63.0 | 9.10% | 60.5 | -3.97% |
| Sevier | 102.4 | -7.79% | 101.7 | -0.62% | 101.7 | 0.01% | 124.6 | 22.45% | 125.5 | 0.73% | 115.8 | -7.73% |
| Summit | 173.0 | 0.52% | 185.1 | 6.99% | 200.9 | 8.55% | 228.8 | 13.92% | 242.6 | 6.01% | 292.4 | 20.53% |
| Tooele | 113.4 | -2.42% | 112.6 | -0.63% | 120.3 | 6.76% | 120.7 | 0.40% | 154.7 | 28.12% | 164.5 | 6.33% |
| Uintah | 161.6 | -34.83% | 146.0 | -9.68% | 155.7 | 6.71% | 156.1 | 0.24% | 176.8 | 13.24% | 200.8 | 13.57% |
| Utah | 1,233.7 | -1.58% | 1,255.9 | 1.80% | 1,366.2 | 8.78% | 1,530.4 | 12.01% | 1,653.9 | 8.07% | 1,785.0 | 7.93% |
| Wasatch | 41.6 | -6.09% | 41.2 | -0.90% | 45.3 | 10.11% | 50.8 | 12.06% | 55.8 | 9.83% | 54.9 | -1.61% |
| Washington | 300.2 | 12.61% | 290.5 | -3.23% | 316.2 | 8.84% | 365.0 | 15.46% | 408.1 | 11.79% | 484.1 | 18.62% |
| Wayne | 7.1 | 5.88% | 7.9 | 10.54% | 8.8 | 11.88% | 11.9 | 35.71% | 10.5 | -12.01% | 9.1 | -13.33% |
| Weber | 1,145.3 | 2.80% | 1,144.2 | -0.10% | 1,175.4 | 2.72% | 1,228.7 | 4.53% | 1,268.0 | 3.20% | 1,303.5 | 2.80% |
| Out of State Use Tax | 476.2 | -24.75% | 581.1 | 22.01% | 613.3 | 5.55% | 684.2 | 11.55% | 750.5 | %69.6 | 878.1 | 17.00% |
| Total | 12,378.4 | -1.55% | 12,188.4 | -1.53% | 13,016.5 | 6.79% | 13,892.2 | 6.73% | 14,773.6 | 6.34% | 15,998.2 | 8.29% |
| | | | | | | | | | | | | |

(r) = revised

Source: Utah State Tax Commission.

TAX COLLECTIONS

Estimated and historic tax collections and trends are presented in Tables 39 and 40 for fiscal years 1978 to 1993. The revenue trends and cycles illustrated in these tables result from tax rate and base changes, the elimination or addition of revenue categories, and swings in national and local economic activity. Table 39 shows the annual and average annual percent changes in unrestricted revenues. Table 40 gives the distribution of these revenue sources as a percent of total revenues and as a percent of personal income.

These tables indicate that the General Fund, Transportation Fund, and Mineral Lease payments have generally declined as a percent of total revenues and of personal income over this time period while the Uniform School Fund has increased. Explanations for these trends include income tax bracket creep; tobacco and alcohol health warnings; increased fuel efficiency of vehicles; new sales tax exemptions; stronger growth in sales tax-exempt services industries than in taxable goods industries; general fund monies transferred to restricted accounts; increased circuit breaker credits; severance tax credits; and lower oil prices, production and severance tax rates.

Fiscal Year 1978 to 1982

Revenue collections for fiscal year 1978 through fiscal year 1982 grew at an average annual rate of 12.4 percent. This was a period of in-migration and relatively high growth in employment and wages. Major tax changes during this period included increases in motor and special fuel taxes of 2 cents per gallon effective July 1978 and another 2 cents effective July 1981. Beer taxes were increased from \$3.10 to \$4.12 per barrel effective July 1981. Cigarette taxes were increased 2 cents per package in July 1979 and another 2 cents in July 1982. And, the mineral production withholding tax was enacted in July 1982.

Fiscal Year 1983 to 1985

Revenue collections grew only 2.3 percent in fiscal year 1983 due to a national recession. Receipts rebounded sharply by 22.7 percent in fiscal year 1984 due to economic recovery, windfall payments, and numerous tax increases. Fiscal year 1985 produced moderate growth of 10.1 percent in revenues as the recovery continued and taxes were again increased.

Significant tax changes occurred during this time period. These changes included \$67.8 million in sales and severance tax windfalls in fiscal year 1984; sales tax increases of 1/8 cent in July 1983 and 1/2 cent in October 1983; corporate franchise tax increases from 4.0 to 4.65 percent effective January 1983 and from 4.65 to 5.0 percent effective January 1984; and oil and gas severance tax increase from 2.0 to 4.0 percent as of January 1984; and, motor and special fuels tax increases of 3 cents per gallon effective July 1984.

Fiscal Year 1986 to 1987

Collections growth declined rapidly in fiscal year 1986 to 2.6 percent, and remained flat at only 2.4 percent in fiscal year 1987. Accelerated corporate payments, an income tax surcharge, and windfalls from the federal Tax Reform Act of 1986 kept collections from falling during fiscal year 1987. Revenue receipts would have declined without these changes due to the closures of Kennecott Copper (September 1985) and Geneva Steel (August 1986), the completion of the Intermountain Power Project (May 1987), out-migration, new sales tax exemptions, and lower oil prices.

Fiscal Year 1988

Fiscal year 1988 collections increased to 11.2 percent as a result of income tax windfalls, state income tax reform, increased oil prices, the reopening of Geneva (September 1987) and Kennecott (June 1987), and multiple tax increases. Major tax changes during this period included repealing the deductibility of federal income tax payments effective January 1987; a 1/2 cent increase in sales taxes as of March 1987; an 11 cents per pack increase in cigarette taxes effective April 1987; and, a 5 cents per gallon increase in motor and special fuels taxes as of April 1987.

Because state and federal income tax reforms resulted in larger than anticipated tax windfalls, a special session of the Legislature met in July 1988 to reduce income taxes by 11.5 percent. Tax rates were cut by 5.0 percent and 1/3 of federal income taxes paid were allowed to be deducted against state income taxes owed. A one-time income tax rebate of \$71 million was also approved during the special session.

Fiscal Year 1989

Economic activity continued to improve during fiscal year 1989. Receipts increased 9.4 percent due to strong growth in manufacturing, trade and service sectors, and expansions of new and existing firms in prominent areas such as telecommunications, aerospace, computer technologies, and bio-medical technologies. The strength in receipts prompted another special session of the Legislature in September 1989 to reduce the income tax an additional 5.7 percent. Rates were reduced 2.0 percent and the deductibility of federal taxes allowed against state taxes was increased from 33.3 percent to 50 percent.

Fiscal Year 1990

The economy continued to prosper into fiscal year 1990, but the growth in revenue receipts dropped off to 4.0 percent due to previous income tax reductions, new severance tax workover credits, and a decrease in the sales tax rate from 5.09375 percent to 4.984375 percent as of January 1990. The overall state sales tax rate dropped to 5.0 percent, but 1/64th was designated to fund construction of sports facilities for the Winter Olympics.

Fiscal Year 1991

Fiscal year 1991 was another year of solid economic growth, and revenue collections improved to 4.7 percent. Receipts would have increased more were it not for lower corporate tax collections due to a refund to a major corporation; new Department of Interior administrative charges for collecting and distributing mineral leases and bonuses; and, lower motor fuels taxes due to higher gasoline prices caused by the Gulf War in the Middle East.

Fiscal Year 1992

Fiscal year 1992 saw further increases of 5.7 percent in overall tax collections due to moderate economic growth. Income and employment growth remained significantly above national averages. Beer, cigarette and tobacco taxes increased in fiscal year 1992 due to cigarette taxes being raised 3.5 cents per pack. The large decline in the General Fund Other category was due to the transfer of revenues collected by the Department of Commerce into a restricted fund. The decline in severance taxes resulted from the deductibility of workover credits and new sliding scale rates.

Fiscal Year 1993

Fiscal year 1993 receipts are estimated to grow around 5.5 percent. This growth is a little less than in fiscal year 1992 due to the absence of tax increases; the completion of the Kern River pipeline; a one-time \$6.7 million Intermountain Power Agency settlement in fiscal year 1992; drop-offs in court fine collections and special fuels tax receipts; \$6.9 million in severance tax refunds; and, lower oil prices and production. Still, fiscal year 1993 should show solid growth in collections as the Utah economy continues to outperform the rest of the nation.

Table 39

Fiscal Year Cash Collection Unrestricted Revenues
General Fund, Uniform School Fund, Transportation Fund, and Mineral Lease Funds
(Thousands of Dollars)

| | 1993** | 000'098 | 16,400 | 32,000 | 34,500 | 14,400 | 8,000 | 9'000'9 | 22,300 | (4,400) | 989,200 | : | 840,000 | 88,000 | 0 | 5,200 | 3,600 | 0 | 9,200 | 946,000 | 138,500 | 33,500 | 45,200 | 217,200 | 31,100 | 2,183,500 | 5.5 | C.X |
|---|--------|----------------------------------|----------------|--------------------|---------------------|-----------------|-----------------|-------------------|----------------------|-----------------|-------------|----------------------|-------------------|---------------------|--------------------|---------------------|--------------------|----------------------|----------|--------------|--|------------------|----------|-------------|--------------------|-----------|---------------------|--------------------|
| | 1992* | 802,438 | 16,711 | 30,175 | 34,648 | 18,160 | 3,975 | 7,002 | 23,473 | (4,059) | 932,523 | | 784,941 | 80,949 | 0 | 4,721 | 3,577 | 0 | 16,375 | 890,563 | 136,352 | 33,405 | 44,579 | 214,336 | 32,526 | 2,069,948 | 5.7 | × |
| | 1991 | 739,633 | 17,571 | 797,72 | 31,042 | 31,016 | 4,811 | 10,959 | 33,946 | (3,513) | 893,262 | | 716,665 | 87,764 | 0 | 4,593 | 3,685 | 0 | 12,880 | 825,587 | 131,057 | 36,778 | 39,570 | 207,405 | 32,378 | 1,958,632 | 4.7 | 0 |
| | 1990 | 707,443 | 16,602 | 30,020 | 30,183 | 30,096 | 7,593 | 17,893 | 32,593 | (3,363) | 090'698 | | 647,593 | 99,693 | 0 | 4,533 | 4,172 | 0 | 11,189 | 767,181 | 132,475 | 29,092 | 38,685 | 200,252 | 34,941 | 1,871,433 | 4.0 | 0.4 |
| | 1989 | 667,403 | 15,984 | 26,406 | 30,733 | 28,135 | 9,766 | 19,236 | 27,437 | (1,396) | 823,703 | | 615,604 | 92,982 | 0 | 3,110 | 2,814 | 0 | 13,749 | 728,259 | 131,220 | 29,305 | 36,891 | 197,416 | 50,800 | 1,800,178 | 9.4 | 20 |
| | 1988 | 617,624 | 15,918 | 28,223 | 29,190 | 29,156 | 3,443 | 10,688 | 26,464 | (1,152) | 759,555 | | 569,853 | 78,806 | 0 | 2,075 | 4,498 | 0 | 6,850 | 665,082 | 129,370 | 27,555 | 35,524 | 192,449 | 28,836 | 1,645,922 | 11.2 | 00 |
| | 1987 | 558,998 | 17.111 | 27,762 | 24,000 | 21,548 | 2,318 | 3,836 | 24,679 | (1,242) | 010'649 | | 533,288 | 868'89 | 7,940 | 0 | 510 | 0 | 12,337 | 622,973 | 586'66 | 20,626 | 34,838 | 155,449 | 22,385 | 1,479,818 | 2.4 | × |
| (| 1986 | 558.581 | 19.008 | 26,077 | 21,053 | 43,797 | 4,725 | 12,020 | 22,237 | (1,485) | 706,013 | | 454,290 | 84,048 | 11,227 | 0 | 0 | 0 | 11,244 | 560,809 | 92,164 | 19,369 | 34,662 | 146,195 | 32,578 | 1,445,595 | 2.6 | 101 |
| | 1985 | 555,415 | 18.413 | 22,262 | 21,314 | 46,880 | 4,786 | 14,368 | 23,409 | (2,213) | 704,634 | | 435,510 | 65,918 | 18,409 | 0 | 0 | 0 | 9,757 | 529,594 | 89,337 | 17,791 | 33,793 | 140,921 | 34,190 | 1,409,339 | 10.1 | -2 |
| | 1984 | 526.158 | 19.159 | 19,890 | 19,998 | 36,235 | 3,121 | 11,204 | 23,042 | (1,824) | 656,983 | | 390,913 | 53,226 | 18,985 | 0 | 0 | 0 | 5,610 | 468,734 | 68,979 | 14,449 | 33,080 | 116,508 | 37,468 | 1,279,693 | 22.7 | 173 |
| | 1983 | 388,771 | 17,266 | 18,013 | 16,241 | 19,433 | 1,977 | 11,253 | 13,924 | (2,337) | 484,540 | | 347,977 | 33,763 | 30,428 | 0 | 0 | 0 | (2,259) | 409,909 | 68,697 | 12,637 | 30,843 | 112,177 | 36,162 | 1,042,788 | 2.3 | 103 |
| | 1982 | 385,260 | 17,851 | 21,494 | 14,108 | 23,307 | 4,514 | 21,485 | 12,403 | (2,506) | 497,916 | | 331,139 | 40,894 | 18,857 | 0 | 0 | 0 | 2,088 | 392,979 | 61,734 | 12,672 | 21,084 | 101,490 | 26,891 | 1,019,275 | 13.1 | 124 |
| | 1981 | 347,382 | 17,604 | 15,778 | 13,521 | 15,344 | 2,046 | 14,743 | 13,125 | (2,373) | 437,169 | | 294,947 | 40,667 | 14,443 | 0 | 0 | 666'9 | 2,462 | 359,518 | 56,508 | 10,107 | 20,135 | 86,750 | 18,153 | 901,590 | 7.2 | 12.2 |
| | 1980 | 320,454 | 15,054 | 14,718 | 12,445 | 10,568 | 1,695 | 22,370 | 8,990 | (2,884) | 403,410 | | 265,328 | 40,377 | 10,728 | 0 | 0 | 14,045 | 2,701 | 333,179 | 60,451 | 10,470 | 18,873 | 89,794 | 14,933 | 841,315 | 13.8 | 14.8 |
| | 1979 | 288,603 | 12,991 | 13,452 | 10,156 | 8,423 | 1,423 | 10,884 | 8,052 | (1,217) | 352,767 | | 225,956 | 32,874 | 8,860 | 0 | 0 | 13,443 | 1,343 | 282,476 | 61,372 | 9,852 | 20,459 | 91,682 | 12,325 | 739,250 | 15.7 | 15.7 |
| | 1978 | 257,988 | 12,492 | 11,917 | 686'6 | 8,446 | 4,055 | 6,827 | 7,315 | (820) | 318,209 | | 183,894 | 29,448 | 7,403 | 0 | 0 | 11,993 | 3,118 | 235,856 | 48,808 | 7,391 | 18,901 | 75,100 | 669'6 | 638,805 | NA | ď |
| | | GENERAL FUND: SALES & USE TAX | LIQUOR PROFITS | INSURANCE PREMIUMS | BEER CIG. & TOBACCO | SEVERANCE TAXES | INHERITANCE TAX | INVESTMENT INCOME | OTHER FINES AND FEES | CIRCUIT BREAKER | GF SUBTOTAL | UNIFORM SCHOOL FUND. | INDIVIDUAL INCOME | CORPORATE FRANCHISE | SCHOOL LAND INCOME | PERM. FUND INTEREST | GROSS RECEIPTS TAX | FEDERAL REV. SHARING | USFOTHER | USF SUBTOTAL | TRANSPORTATION FUND: MOTOR FUEL TAX | SPECIAL FUEL TAX | TF OTHER | TF SUBTOTAL | MINERAL LEASE PAY. | TOTAL | ANN. PERCENT CHANGE | AVC. ANN CTH KATES |

* *FY92 REVENUES ARE PRELIMINARY TC-23 COLLECTIONS **FY93 VALUES ARE ESTIMATES.

D NOTE: THESE REVENUES INCLUDE TAX RATE AND BASE CHANGES. THESE MONIES PRIMARILY REFLECT TAX COMMISSION CASH

COLLECTION ANNUAL REPORTS. THE DEPARTMENT OF FINANCE'S ACCRUAL REPORTS ARE USED FOR BUDGETING.

CASH COLLECTIONS ARE USED FOR TREND ANALYSIS, WHEREAS, ACCRUALS ARE USED FOR BUDGETING.

Economic Report to the Governor

Table 40
Distribution of Unrestricted Revenue Funds as a Percentage of Total Revenues and of Personal Income

| | | | | _ | - | _ | - | _ | | - | - | | · | | |
|---|---------|---------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| PERCENT OF PERS INC | 0.1% | 0.1% | 0.1% | 0.2% | 0.3% | 0.2% | 0.2% | 0.2% | 0.1% | 0.1% | 0.2% | 0.1% | 0.1% | 0.1% | 0.1% |
| PERCENT OF TOTAL REVENUES | 2% | 2% | 7% 7% | 3% | 3% | 3% | 2% | 2% | 2% | 2% | 3% | 2% | 2% | 2% | 1% |
| MINERAL LEASE PAYMENTS (\$000) | 689'6 | 12,325 | 14,953 | 26,891 | 36,162 | 37,468 | 34,190 | 32,578 | 22,385 | 28,836 | 20,800 | 34,941 | 32,378 | 32,526 | 31,100 |
| PERCENT OF PERS INC | 0.9% | 26.0 | 0.7% | 0.7% | 0.8% | 0.7% | 0.8% | 0.8% | 0.8% | 0.9% | 0.9% | 0.9% | 0.8% | 0.8% | 0.8% |
| PERCENT OF TOTAL REVENUES | 12% | 12% | 10% | 10% | 11% | %6 | 10% | 10% | 11% | 12% | 11% | 11% | 11% | 10% | 10% |
| TRANSPOR- TATION FUND (\$000) | 75,100 | 91,682 | 86,750 | 101,490 | 112,177 | 116,508 | 140,921 | 146,195 | 155,449 | 192,449 | 197,416 | 200,252 | 207,405 | 214,336 | 217,200 |
| PERCENT OF PERS INC | 2.7% | 2.9% | 2.9% | 2.9% | 2.8% | 3.0% | 3.1% | 3.1% | 3.2% | 3.2% | 3.3% | 3.3% | 3.3% | 3.3% | 3.3% |
| PERCENT OF TOTAL REVENUES | 37% | 38% | 40% 40% | 39% | 39% | 37% | 38% | 39% | 42% | 40% | 40% | 41% | 42% | 43% | 43% |
| UNIFORM SCHOOL FUND (\$000) | 235,856 | 282,476 | 359,518 | 392,979 | 409,909 | 468,734 | 529,594 | 560,809 | 622,973 | 665,082 | 728,259 | 767,181 | 825,587 | 890,563 | 946,000 |
| PERCENT OF PERS INC | 3.7% | 3.6% | 3.5% | 3.6% | 3.4% | 4.2% | 4.1% | 3.9% | 3.5% | 3.7% | 3.8% | 3.7% | 3.6% | 3.5% | 3.4% |
| PERCENT OF TOTAL REVENUES | 20% | 48% | 48% | 49% | 46% | 51% | 20% | 49% | 46% | 46% | 46% | 46% | 46% | 45% | 45% |
| GENERAL FUND (\$000) | 318,209 | 352,767 | 437,169 | 497,916 | 484,540 | 656,983 | 704,634 | 706,013 | 679,010 | 759,555 | 823,703 | 869,060 | 893,262 | 932,523 | 989,200 |
| FISCAL YEAR PERS INC (\$000000) | 8,578 | 9,847 | 12,388 | 13,685 | 14,456 | 15,738 | 17,050 | 18,314 | 19,405 | 20,486 | 21,768 | 23,304 | 25,148 | 26,817 | 28,700 |
| TOTAL UNRESTRICTE REVENUES (\$000) | 638,805 | 739,250 | 901,590 | 1,019,275 | 1,042,788 | 1,279,693 | 1,409,339 | 1,445,595 | 1,479,818 | 1,645,922 | 1,800,178 | 1,871,433 | 1,958,632 | 2,069,948 | 2,183,500 |
| FISCAL | 1978 | 1979 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992* | 1993* |

*FY92 AND FY93 PERSONAL INCOMES ARE ESTIMATES. FY93 REVENUES ARE ESTIMATES.

NOTE: THESE REVENUES INCLUDE TAX RATE AND BASE CHANGES. THESE MONIES PRIMARLLY REFLECT TAX COMMISSION CASH
COLLECTION ANNUAL REPORTS. THE DEPARTMENT OF FINANCE'S ACCRUAL REPORTS ARE USED FOR BUDGETING.
CASH COLLECTIONS ARE USED FOR TREND ANALYSIS, WHEREAS, ACCRUALS ARE USED FOR BUDGETING.

REGIONAL / NATIONAL COMPARISONS

In this chapter, comparisons will be made between Utah and other states of the mountain division. The mountain division (as defined by the Bureau of the Census) includes the states of Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah and Wyoming. Table 41 gives extensive data on the demographic and economic performances of the states of the mountain division, as well as other states and the nation.

During the past several years economic conditions in the mountain division have undergone a transformation from one of the weakest economic regions in the country to the strongest. This energy-rich region suffered from the collapse in energy prices in 1985. Agricultural and other natural resource-based industries such as timber and metal mining fell on hard times. Weakness in natural resource-based industries spread to related industries such as construction and financial services. As a result, many states in the mountain region experienced serious economic difficulties during 1986 and 1987. Nevada, in contrast, was a leading growth state throughout this entire period, based upon its strong gaming and tourism industries, the nation, meanwhile, had sustained growth.

In 1988, there were signs that economic conditions for the mountain states were improving. Significant job growth was occurring in various service industries, agriculture rebounded, and commodity prices strengthened. During 1989, while the national economy began to show weakness, the economies of most mountain states had restructured and were growing at a healthy pace. Nationally the economy slowed from a crawl into recession in 1990. By the end of 1991 and through 1992, while no longer technically in recession, the national economic picture remained very weak, with job losses in many industries and depressed consumer confidence. Economic growth in the mountain states was relatively strong in 1990, slowed a little in 1991, and sustained a comparatively healthy, broad-based growth in 1992.

An examination of basic demographic and economic statistics demonstrates the relatively favorable economic conditions among most mountain states compared to the national economy.

Population Growth

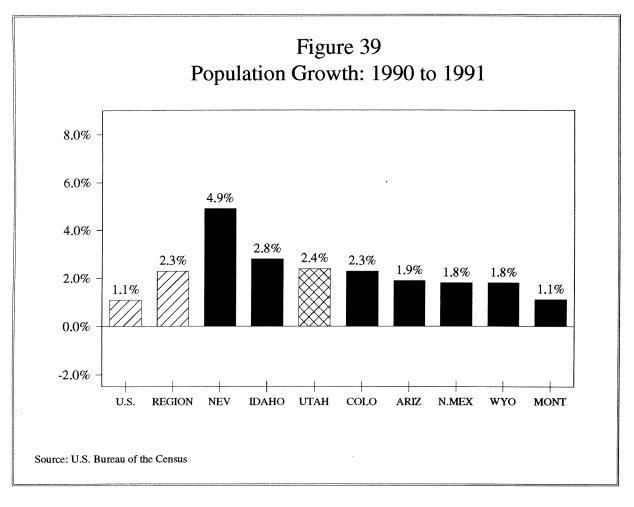
The rate of population growth in the mountain states has increased since 1988 when it was 1.2 percent over the previous year. In 1991 population growth was 2.3 percent. The favorable economic conditions in the mountain west, combined with the considerable employment losses found in other parts of the country (particularly in California), will support continued, above-average population growth. In-migrants from California appear to be moving into the intermountain area. From 1990 to 1991, the population in mountain division states increased by 316,000 to a total of 14,035,000 inhabitants or a growth rate of 2.3 percent compared to a 1.1 percent increase nationally (Figure 39). Montana and Wyoming grew in population during 1991 for the first time in six years at 1.1 and 1.8 percent respectively.

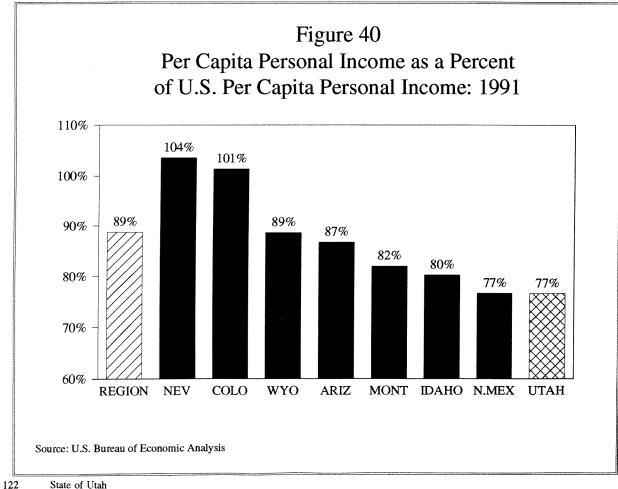
Early indications are that in 1992 Utah has experienced about a 2.5 percent gain in population. While estimates for the rest of the region are not available for 1992, favorable economic conditions in the mountain west will likely continue to attract in-migrants to the area.

Personal Income Growth

Total personal income for the region grew at an average annual rate of 6.2 percent from 1986 to 1991, as compared to the national rate of 6.1 percent. Utah's average annual growth of personal income was 6.4 percent during this period. Since 1986, the eight states in the mountain region, four states — Nevada, Idaho, Utah and Arizona — had personal income growth rates above the national average.

From 1990 to 1991, income grew by 5.5 percent in the mountain states compared to 3.5 percent in the U.S. This growth confirms the continued economic vitality of the mountain states. The most recent data show that income growth is quite strong in this region relative to the nation. Personal income grew by 5.9 percent and by 4.7 percent in the mountain states and the U.S. respectively from the second quarter of 1991 to the second quarter of 1992.





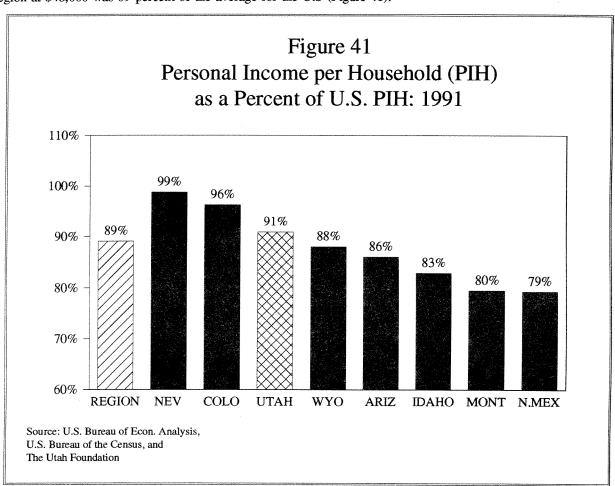
During this same time, personal income grew 8.4 percent in Montana, 7.2 percent in Utah, and 6.8 percent in Utah. These were the three largest percent increases of all 50 states.

Per capita personal income for a region can change relative to the U.S. average because the region's total personal income, its population, or both, grow at a faster or slower rate than the U.S. average. From 1986 to 1991, income in the mountain region grew at about the same rate as the national rate (Figure 40), while population grew more than twice the U.S. rate. The obvious result is that per capita income for the mountain states has deteriorated relative to national per capita income. In 1986, per capita income in the mountain region was \$13,590 or 91 percent of the national figure of \$14,910. By 1991, per capita income for the mountain states was 89 percent of the national figure — \$16,948 compared to \$19,092.

Six of the eight mountain states experienced a decrease in per capita personal income relative to the U.S. average from 1986 to 1991. In contrast, Idaho and Montana were respectively 78 percent and 81 percent of the U.S. average in 1986. They both increased to 80 and 82 percent respectively in 1991.

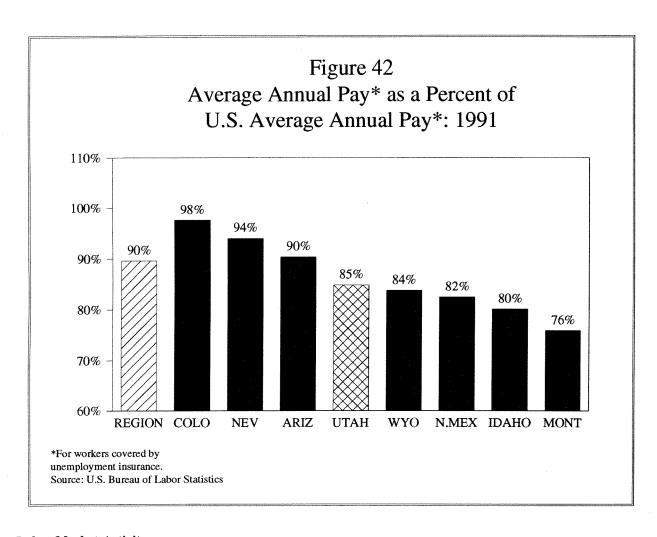
Per capita total personal income is one statistic that is used to measure relative economic prosperity between states. In Utah, on average, the birth rate is higher and household size is larger than found in other states. With 36.4 percent of Utah's population under the age of 18 compared to 25.6 percent nationally, Utah's per capita income is just 77 percent of the national figure of \$19,092 for 1991. This rate of 77 percent is the lowest of any state in the region.

Another measure of relative economic prosperity, total personal income per household, recognizes that most people live in households and not as individuals. In 1991, Utah's per household income was third out of the eight mountain states and was 91 percent of the national figure of \$51,600. Total personal income per household in the mountain region at \$46,000 was 89 percent of the average for the U.S (Figure 41).



Wages

The most complete measure of relative wages paid between states is average annual pay for all workers covered either by state or federal unemployment insurance programs. Wage growth for the intermountain region averaged 3.3 percent per year from 1986 to 1991 compared to the national growth rate of 4.2 percent (Figure 42). With a slower growth rate in wages for the mountain states, wages dropped from 95 percent of the U.S. average in 1986 to 90 percent by 1991. As a percent of the national average, wages dropped in seven of the eight mountain states over this five year period. Nevada held constant at about 94 percent of the U.S. average. In 1986, only Colorado had pay greater than the national average, since then dropping to 98 percent. In 1991 average pay in Utah was 85 percent of the U.S. average, ranking fourth among the eight mountain states.



Labor Market Activity

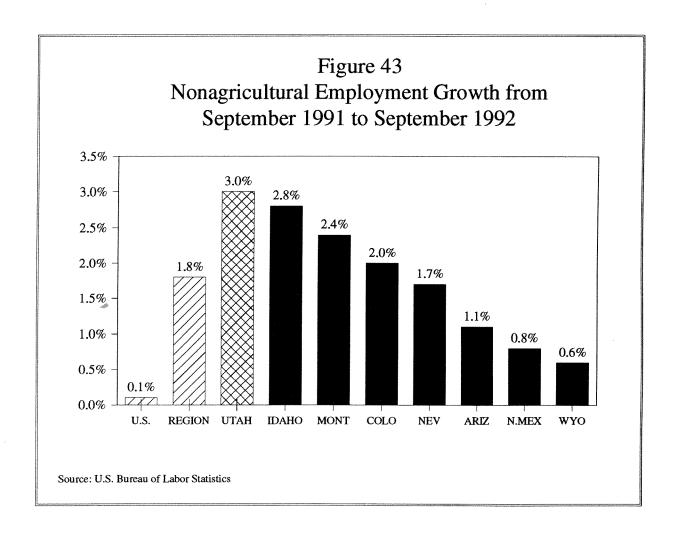
From 1986 to 1991, the mountain region's employment growth rate was significantly faster than that of the nation. Nonagricultural job growth in the region averaged 2.7 percent per year, while the national rate was 1.7 percent. However, Figure 43 shows that among the eight states of the region job growth varied from a high of 6.2 percent per year in Nevada (highest of all 50 states) to 0.6 percent per year in Wyoming. Over this five year period, every mountain state except Wyoming increased in employment at a faster rate than the national growth rate. Utah jobs grew an average of 3.3 percent per year, seventh fastest of all 50 states.

The most recent complete year for which data are available is 1990 to 1991. During this time, nonagricultural employment growth in the mountain region slowed to 1.6 percent, but compared favorably to the national rate of

-1.3 percent. Idaho and Utah led the way with increases of 3.4 and 3.0 percent respectively, the two fastest job growth states in the U.S. from 1990 to 1991.

Latest available information for all states, September 1991 to September 1992, indicates that the job picture in the mountain region remained strong relative to the national economy. Nonagricultural job growth averaged 1.8 percent, while nationally it was 0.1 percent. Utah and Idaho once again lead the region (first and third of all 50 states) with nonagricultural employment growth of 3.0 and 2.8 percent respectively. All of the mountain states show positive employment growth while nationally there are job losses from September 1991 to September 1992.

Unemployment rates among mountain states have been similar to the national average until the recession in 1990. The latest data indicate that unemployment in this region is about 1.6 percent below the national rate. This relatively favorable unemployment situation for the mountain states is indicative of the economic strength this region has maintained during the current national difficulties.



Broad-Based Strength

The collapse of oil prices and weakness in natural resource-based industries after 1985 caused a significant amount of economic difficulties and restructuring among the intermountain states. By 1989, the economic fortunes of the mountain west had improved. From 1990 to 1992 the mountain region has maintained moderate economic growth in the face of serious economic problems elsewhere in the country. In the past two years Wyoming and Montana, the two mountain states hardest hit in the late 1980s, are showing very positive growth signs with six of eight major nonfarm industrial sectors showing job growth. Regional employment growth is broad-based across most of the mountain states and across most of the major industries. Construction employment is particularly strong in Colorado, Utah, Wyoming, and Idaho. The trade, services and government sectors are growing in all eight mountain states.

Two industries have job losses for most states in the region — mining and manufacturing. Mining employment declines are due to significant productivity increases thus requiring fewer workers, and because of reduced oil and gas exploration. Manufacturing jobs have been adversely affected, in this region and even more so nationally, because of cuts in defense, productivity gains, and foreign competition.

Strong growth in construction, services, trade, and government industries have enabled the economics of the mountain states to maintain healthy economic growth during 1992 while the nation is struggling. This region is economically stronger than any other region in the nation. Idaho, Utah, Nevada, Montana, and Colorado are all among the ten fastest employment growth states in the country. Arizona is the only mountain state that may have net job losses in the near term. These losses may occur because of Arizona's close economic ties with California.

The national economy is gaining strength as 1993 begins. Most economists are projecting slow improvement through the coming year. The mountain region continues to show substantial economic resilience. The economies of the mountain states are more diverse than ever. There is every reason to expect that the economic fortunes of the states in the mountain division will continue to outperform the nation as a whole during 1993.

Table 41
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| | | | Communication (1.1.1000) | | | | | | | | |
|--------------------|-----------------------------------|----------------|--------------------------|---------------------------------------|--------------|----------|---------------|---|------------------|----------------|----------|
| | Population Estimat (in thousands) | | | | Avg. Ann. | <u> </u> | Percent | Census Count as of April 1, 1990 Households Persons | | | |
| | Number | Number | Number | · · · · · · · · · · · · · · · · · · · | Growth Rate | | Change | | (in thousands) | Persons Per | |
| | 1986 | 1990 | 1991 | Rank | 1986-91 | Rank | 1990-91 | Rank | (iii diodsailds) | Household | Ran |
| UNITED STATES | 240,162 | 249,466 | 252,177 | | 1.0% | | 1.1% | | 91,947 | 2.63 | |
| MOUNTAIN STATES | 12,953 | 13,719 | 14,035 | | 1.6% | | 2.3% | | 5,033 | 2.65 | |
| ARIZONA | 3,309 | 3,681 | 3,750 | 23 | 2.5% | 3 | 1.9% | 9 | 1,369 | 2.62 | 18 |
| COLORADO | 3,238 | 3,302 | 3,377 | 26 | 0.8% | 24 | 2.3% | 5 | 1,282 | 2.51 | 49 |
| IDAHO | 990 | 1,011 | 1,039 | 42 | 1.0% | 20 | 2.8% | 3 | 361 | 2.73 | 9 |
| MONTANA | 814 | 799 | 808 | 44 | -0.1% | 45 | 1.1% | 22 | 306 | 2.53 | 44 |
| NEVADA | 981 | 1,224 | 1,284 | 38 | 5.5% | 1 | 4.9% | 1 | 466 | 2.53 | 43 |
| NEW MEXICO | 1,463 | 1,520 | 1,548 | 37 | 1.1% | 17 | 1.8% | 10 | 543 | 2.74 | 7 |
| UTAH | 1,663 | 1,729 | 1,770 | 35 | 1.3% | 15 | 2.4% | 4 | 537 | 3.15 | 1 |
| WYOMING | 496 | 452 | 460 | 51 | -1.5% | 51 | 1.8% | 14 | 169 | 2.63 | 17 |
| OTHER STATES | | | | | | | | | | | |
| ALABAMA | 3,992 | 4,046 | 4,089 | 22 | 0.5% | 31 | 1.1% | 23 | 1,507 | 2.62 | 20 |
| ALASKA | 544 | 551 | 570 | 49 | 0.9% | 21 | 3.4% | 2 | 189 | 2.80 | 3 |
| ARKANSAS | 2,332 | 2,353 | 2,372 | 33 | 0.3% | 35 | 0.8% | 32 | 891 | 2.57 | 31 |
| CALIFORNIA | 27,106 | 29,956 | 30,380 | 1 | 2.3% | 5 | 1.4% | 17 | 10,381 | 2.79 | 4 |
| CONNECTICUT | 3,224 | 3,290 | 3,291 | 27 | 0.4% | 32 | 0.0% | 46 | 1,230 | 2.59 | 26 |
| DELAWARE | 628 | 669 | 680 | 46 | 1.6% | 9 | 1.6% | 16 | 247 | 2.61 | 21 |
| D.C. | 638 | 601 | 598 | 48 | -1.3% | 50 | -0.5% | 50 | 250 | 2.26 | 51 |
| FLORIDA | 11,669 | 13,045 | 13,277 | 4 | 2.6% | 2 | 1.8% | 12 | 5,135 | 2.46 | 50 |
| GEORGIA | 6,085 | 6,504 | 6,623 | 11 | 1.7% | 7 | 1.8% | 11 | 2,367 | 2.66 | 13 |
| HAWAII | 1,052 | 1,113 | 1,135 | 40 | 1.5% | 11 | 2.0% | 8 | 356 | 3.01 | 2 |
| ILLINOIS | 11,389 | 11,443 | 11,543 | 6 | 0.3% | 38 | 0.9% | 30 | 4,202 | 2.65 | 15 |
| INDIANA | 5,455 | 5,554 | 5,610 | 14 | 0.6% | 26 | 1.0% | 24 | 2,065 | 2.61 | 23 |
| IOWA | 2,792 | 2,780 | 2,795 | 30 | 0.0% | 43 | 0.5% | 41 | 1,064 | 2.52 | 47 |
| KANSAS | 2,433 | 2,480 | 2,495 | 32 | 0.5% | 30 | 0.6% | 37 | 945 | 2.53 | 46 |
| KENTUCKY | 3,688 | 3,690 | 3,713 | 24 | 0.1% | 42 | 0.6% | 35 | 1,380 | 2.60 | 25 |
| LOUISIANA MAINE | 4,407 | 4,211 | 4,252 | 21 | -0.7% | 47 | 1.0% | 27 | 1,499 | 2.74 | 6 |
| MARYLAND | 1,170 | 1,231 | 1,235 | 39 | 1.1% | 18 | 0.3% | 43 | 465 | 2.56 | 34 |
| MASSACHUSETTS | 4,488 5,903 | 4,802 6,020 | 4,860 5,996 | 19 | 1.6% | 8 | 1.2% | 20 | 1,749 | 2.67 | 12 |
| MICHIGAN | 9,129 | 9,314 | 9,368 | 13 | 0.3% 0.5% | 36 29 | -0.4% 0.6% | 49 39 | 2,247 3,419 | 2.58 2.66 | 29 14 |
| MINNESOTA | 4,206 | 4,390 | 4,432 | 20 | 1.1% | 19 | 1.0% | 28 | • | | |
| MISSISSIPPI | 2,594 | 2,574 | 2,592 | 31 | -0.0% | 44 | 0.7% | 34 | 1,648 | 2.58 | 30 |
| MISSOURI | 5,024 | 5,127 | 5,158 | 15 | 0.5% | 28 | 0.7% | 38 | 911 1,961 | 2.75 2.54 | 5 40 |
| NEBRASKA | 1,575 | 1,580 | 1,593 | 36 | 0.2% | 40 | 0.8% | 31 | 602 | 2.54 | 39 |
| NEW HAMPSHIRE | 1,025 | 1,111 | 1,105 | 41 | 1.5% | 12 | -0.5% | 51 | 411 | 2.62 | 19 |
| NEW JERSEY | 7,623 | 7,735 | 7,760 | 9 | 0.4% | 34 | 0.3% | 44 | 2,795 | 2.70 | 10 |
| NEW YORK | 17,836 | 18,002 | 18,058 | 2 | 0.2% | 39 | 0.3% | 45 | 6,639 | 2.63 | 16 |
| NORTH CAROLINA | 6,322 | 6,653 | 6,737 | 10 | 1.3% | 13 | 1.3% | 19 | 2,517 | 2.54 | 41 |
| NORTH DAKOTA | 670 | 637 | 635 | 47 | -1.1% | 49 | -0.3% | 48 | 241 | 2.55 | 37 |
| OHIO | 10,732 | 10,859 | 10,939 | 7 | 0.4% | 33 | 0.7% | 33 | 4,088 | 2.59 | 27 |
| OKLAHOMA | 3,253 | 3,146 | 3,175 | 28 | -0.5% | 46 | 0.9% | 29 | 1,206 | 2.53 | 45 |
| OREGON | 2,684 | 2,861 | 2,922 | 29 | 1.7% | 6 | 2.1% | 7 | 1,103 | 2.52 | 48 |
| PENNSYLVANIA | 11,784 | 11,893 | 11,961 | 5 | 0.3% | 37 | 0.6% | 40 | 4,496 | 2.57 | 33 |
| RHODE ISLAND | 977 | 1,005 | 1,004 | 43 | 0.5% | 27 | -0.1% | 47 | 378 | 2.55 | 38 |
| SOUTH CAROLINA | 3,343 | 3,498 | 3,560 | 25 | 1.3% | 14 | 1.8% | 13 | 1,258 | 2.68 | 11 |
| SOUTH DAKOTA | 696 | 696 | 703 | 45 | 0.2% | 41 | 1.0% | 25 | 259 | 2.59 | 28 |
| TENNESSEE | 4,739 | 4,887 | 4,953 | 18 | 0.9% | 23 | 1.4% | 18 | 1,854 | 2.56 | 35 |
| TEXAS | 16,563 | 17,055 | 17,349 | 3 | 0.9% | 22 | 1.7% | 15 | 6,071 | 2.73 | 8 |
| VERMONT | 534 | 565 | 567 | 50 | 1.2% | 16 | 0.4% | 42 | 211 | 2.57 | 32 |
| VIRGINIA | 5,812 | 6,213 | 6,286 | 12 | 1.6% | 10 | 1.2% | 21 | 2,292 | 2.61 | 24 |
| WASHINGTON | 4,453 | 4,909 | 5,018 | 16 | 2.4% | 4 | 2.2% | 6 | 1,872 | 2.53 | 42 |
| WEST VIRGINIA | 1,883 | 1,790 | 1,801 | 34 | -0.9% | 48 | 0.6% | 36 | 689 | 2.55 | 36 |
| WISCONSIN | 4,756 | 4,906 | 4,955 | 17 | 0.8% | 25 | 1.0% | 26 | 1,822 | 2.61 | 22 |

Source: U.S. Bureau of the Census

Table 41 (con't)
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| 1 | Total Daysonal Income | | | | | | | | Total Page and Lagrang | | | | | |
|--------------------------------|---|--------------------|--------------------|----------|--------------------------|----------|--------------|---------|---|--------------------|--------------|-----|--|--|
| | Total Personal Income (millions of dollars) Avg. Ann. Percent | | | | | | | | Total Personal Income (millions of dollars, saar) | | | | | |
| ļ | A | Amount | Amount | | Avg. Ann. Growth Rate | | Change | | 2nd Quarter | | Pct Cha | | | |
| | Amount 1986 | 1990 | 1991 | Rank | 1986-91 | Rank | 1990-91 | Rank | 1991 | 1992 | 1991-92 | Ran | | |
| UNITED STATES | \$3,580,700 | \$4,649,706 | \$4,814,495 | | 6.1% | | 3.5% | | | \$5,019,041 | 4.7% | | | |
| MOUNTAIN STATES | 176,029 | 225,533 | 237,875 | | 6.2% | | 5.5% | | 236,534 | 250,561 | 5.9% | | | |
| ARIZONA | 46,065 | 59,472 | 62,166 | 25 | 6.2% | 25 | 4.5% | 20 | 61,988 | 64,934 | 4.8% | | | |
| COLORADO | 50,471 | 61,942 | 65,365 | 22 | 5.3% | 39 | 5.5% | 8 | 64,944 | 68,574 | 5.6% | | | |
| IDAHO | 11,480 | 15,271 | 15,935 | 43 | 6.8% | 13 | 4.4% | 21 | 15,870 | 16,887 | 6.4% | | | |
| MONTANA | 9,873 | 11,709 | 12,673 | 46 | 5.1% | 43 | 8.2% | 1 | 12,490 | 13,540 | 8.4% | | | |
| NEVADA | 15,415 | 24,083 | 25,398 | 37 | 10.5% | 1 | 5.5% | 9 | 25,205 | 26,928 | 6.8% | | | |
| NEW MEXICO | 17,107 | 21,352 | 22,665 | 40 | 5.8% | 32 | 6.1% | 5 | 22,557 | 23,924 | 6.1% | | | |
| UTAH | 19,020 | 24,269 | 25,890 | 35 | 6.4% | 22 | 6.7% | 2 | 25,732 | 27,593 | 7.2% | 2 | | |
| WYOMING | 6,598 | 7,434 | 7,783 | 51 | 3.4% | 51 | 4.7% | 18 | 7,747 | 8,182 | 5.6% | 22 | | |
| OTHER STATES | | | | | | | | | 60.000 | | . o.a | 1.0 | | |
| ALABAMA | 46,210 | 60,208 | 63,458 | 24 | 6.5% | 17 | 5.4% | 10 | 63,039 | 66,665 | 5.8% | | | |
| ALASKA | 9,938 | 11,447 | 12,015 | 47 | 3.9% | 48 | 5.0% | 17 | 11,901 | 12,610 | 6.0% | | | |
| ARKANSAS | 26,152 | 32,967 | 34,698 | 32 | 5.8% | 30 | 5.3% | 11 | 34,778 | 36,942 | 6.2% | | | |
| CALIFORNIA | 463,601 | 616,668 | 633,326 | 1 | 6.4% | 19 | 2.7% | 42 | 631,547 | 652,223 | 3.3% | | | |
| CONNECTICUT | 63,065 | 83,978 | 85,642 | 19 | 6.3% | 23 | 2.0% | 50 | 85,497 | 88,281 | 3.3% | | | |
| DELAWARE | 9,974 | 13,727 | 14,154 | 45 | 7.3% | 6 | 3.1% | 34 | 14,077 | 14,460 | 2.7% | | | |
| D.C. | 11,522 | 14,044 | 14,397 | 44 | 4.6% | 46 | 2.5% | 44 | 14,337 | 15,154 | 5.7% | | | |
| FLORIDA | 173,829 | 243,040 | 252,146 | 4 | 7.7% | 3 | 3.7% | 26 | 251,381 | 260,641 | 3.7% | | | |
| GEORGIA | 83,415 | 110,722 | 115,473 | 12 | 6.7% | 14 | 4.3% | 22 | 114,827 | 121,515 | 5.8% | | | |
| HAWAII | 16,099 | 22,882 | 24,045 | 38 | 8.4% | 2 | 5.1% | 14 | 23,922 | 25,155 | 5.2% | | | |
| ILLINOIS | 181,772 | 232,735 | 239,293 | 5 | 5.7% | 36 | 2.8% | 40 | 238,662 | 247,313 | 3.6% | | | |
| INDIANA | 73,165 | 93,259 | 96,365 | 16 | 5.7% | 35 | 3.3% | | 95,803 | 101,293 | 5.7% | | | |
| IOWA | 37,474 | 46,942 | 48,347 | 30 | 5.2% | 40 | 3.0% | | 48,221 | 50,457 | 4.6% | | | |
| KANSAS | 35,281 | 44,065 | 45,706 | 31 | 5.3% | 38 | 3.7% | | 45,635 | 47,485 | 4.1% | | | |
| KENTUCKY | 42,587 | 55,219 | 58,027 | 26 | 6.4% | 21 | 5.1% | | 57,441 | 61,128 | 6.4% | | | |
| LOUISIANA | 51,383 | 60,131 | 63,970 | 23 | 4.5% | 47 | 6.4% | 3 | 63,499 | 66,893 | 5.3% | | | |
| MAINE | 15,453 | 21,099 | 21,548 | 41 | 6.9% | 11 | 2.1% | | 21,375 | 22,269 | 4.2% | | | |
| MARYLAND | 77,015 | 104,762 | 107,836 | 14 | 7.0% | 10 | 2.9% | | 107,432 | 111,531 | 3.8% | | | |
| MASSACHUSETTS | 104,306 137,851 | 135,566 170,385 | 137,924 174,750 | 10 9 | 5.7% 4.9% | 33 44 | 1.7% 2.6% | | 137,446 174,268 | 142,831 181,174 | 3.9% 4.0% | | | |
| MICHIGAN | | · | | | | | | | | • | 6.0% | | | |
| MINNESOTA | 63,583 | 82,039 | 84,769 | 20 33 | 5.9% 6.3% | 26 24 | 3.3% 5.6% | 33 7 | 84,391 34,332 | 89,456 36,495 | 6.3% | | | |
| MISSISSIPPI | 25,486 | 32,714 | 34,545 | 33 17 | 5.2% | | 5.6% 4.1% | | 91,675 | 96,532 | 5.3% | | | |
| MISSOURI | 71,709 | 88,817 27,218 | 92,470 28,220 | 34 | 5.2% 5.7% | 34 | 3.7% | | 28,305 | 29,336 | 3.6% | | | |
| NEBRASKA NEW HAMPSHIRE | 21,383 17,499 | 23,337 | 24,038 | 39 | 6.6% | 16 | 3.0% | 36 | 23,860 | 24,880 | 4.3% | | | |
| | 145,779 | 194,598 | 199,181 | 7 | 6.4% | | 2.4% | | 198,330 | 207,731 | 4.7% | | | |
| NEW JERSEY | 145,779 304,887 | 397,006 | 405,765 | 2 | 5.9% | | 2.4% | | 404,063 | 423,600 | 4.7% | | | |
| NEW YORK | 80,582 | 109,094 | 113,536 | 13 | 7.1% | | 4.1% | | 112,471 | 119,542 | 6.3% | | | |
| NORTH CAROLINA NORTH DAKOTA | 8,291 | 9,625 | 9,903 | 50 | 3.6% | | 2.9% | | 9,893 | 10,290 | 4.0% | | | |
| OHIO | 151,111 | 189,139 | 194,384 | 8 | 5.2% | | 2.8% | | 192,488 | 204,105 | 6.0% | | | |
| OKLAHOMA | 40,820 | 47,620 | 49,340 | 29 | 3.9% | 49 | 3.6% | 31 | 49,299 | 51,421 | 4.3% | 31 | | |
| OREGON | 36,279 | 48,917 | 51,353 | 28 | 7.2% | | 5.0% | | 50,898 | 54,156 | 6.4% | | | |
| PENNSYLVANIA | 173,404 | 222,626 | 230,917 | 6 | 5.9% | | 3.7% | | 229,729 | 241,639 | 5.2% | | | |
| RHODE ISLAND | 14,535 | 18,878 | 19,291 | 42 | 5.8% | | 2.2% | | 19,124 | 20,198 | 5.6% | | | |
| SOUTH CAROLINA | 38,765 | 52,816 | 55,055 | 27 | 7.3% | | 4.2% | | 54,738 | 57,294 | 4.7% | | | |
| SOUTH DAKOTA | 8,277 | 10,806 | 11,303 | 48 | 6.4% | 20 | 4.6% | 19 | 11,338 | 12,086 | 6.6% | 5 | | |
| TENNESSEE | 59,087 | 77,612 | 81,651 | 21 | 6.7% | | 5.2% | | 81,013 | 86,002 | 6.2% | | | |
| TEXAS | 229,927 | 282,777 | 298,928 | 3 | 5.4% | | 5.7% | | 297,308 | 312,557 | 5.1% | | | |
| VERMONT | 7,275 | • | 10,198 | 49 | 7.0% | | 2.2% | | 10,139 | 10,581 | 4.4% | | | |
| VIRGINIA | 90,927 | | 126,237 | 11 | 6.8% | | 3.0% | | 125,870 | 131,049 | 4.1% | | | |
| WASHINGTON | 67,450 | | 97,766 | 15 | 7.7% | 4 | 6.3% | 4 | 96,946 | 103,354 | 6.6% | , 4 | | |
| | 20,513 | | 25,754 | | 4.7% | | 5.0% | | 25,632 | 26,965 | 5.2% | | | |
| WEST VIRGINIA | | | | ~~ | /0 | . ~ | 3.7% | | | ,, | 5.3% | | | |

Source: U.S. Bureau of Economic Analysis

Table 41 (con't)
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| ١ | | · · · · · · · · · · · · · · · · · · · | | Ţ. | Per Capita Per | sonal l | ncome | | | | |
|----------------------|------------------|---------------------------------------|------------------|----------|----------------|----------|--------------|----------|-----------------|-----------------|-----------------|
| | | | | | Avg. Ann. | 301141 | Percent | | As a P | ercent of U | LS. |
| | Number | Number | Number | | Growth Rate | | Change | | | ta Persona | |
| | 1986 | 1990 | 1991 | Rank | i . | | | Rank | 1986 | 1990 | 1991 |
| UNITED STATES | \$14,910 | \$18,639 | \$19,092 | | 5.1% | | 2.4% | | 100.0% | 100.0% | 100.0% |
| MOUNTAIN STATES | 13,590 | 16,439 | 16,948 | | 4.5% | | 3.1% | | 91.1% | 88.2% | 88.8% |
| ARIZONA COLORADO | 13,922 15,588 | 16,155 18,758 | 16,579 19,358 | 36 16 | 3.6% 4.4% | 50 45 | 2.6% 3.2% | 28 17 | 93.4% 104.5% | 86.7% 100.6% | 86.8% 101.4% |
| IDAHO | 11,592 | 15,099 | 15,333 | 45 | 5.8% | 10 | 1.5% | 47 | 77.7% | 81.0% | 80.3% |
| MONTANA | 12,132 | 14,649 | 15,675 | 39 | 5.3% | 25 | 7.0% | 1 | 81.4% | 78.6% | 82.1% |
| NEVADA NEW MEXICO | 15,718 11,694 | 19,677 14,052 | 19,783 14,644 | 14 47 | 4.7% 4.6% | 42 44 | 0.5% 4.2% | 51 8 | 105.4% 78.4% | 105.6% 75.4% | 103.6% 76.7% |
| UTAH | 11,437 | 14,034 | 14,625 | 49 | 5.0% | 32 | 4.2% | 9 | 76.7% | 75.3% | 76.6% |
| WYOMING | 13,311 | 16,439 | 16,937 | 34 | 4.9% | 36 | 3.0% | | 89.3% | 88.2% | 88.7% |
| OTHER STATES | | | | | | _ | | _ | | ##D D BH | |
| ALABAMA | 11,575 | 14,880 | 15,518 | 43 | 6.0% | 6 | 4.3% | 7 | 77.6% | 79.8% | 81.3% |
| ALASKA | 18,256 | 20,764 | 21,067 | 9 | 2.9% | 51 | 1.5% | 49 | 122.4% | 111.4% | 110.3% |
| ARKANSAS | 11,213 | 14,008 | 14,629 | 48 | 5.5% | 19 | 4.4% | 4 | 75.2% | 75.2% | 76.6% |
| CALIFORNIA | 17,104 | 20,586 | 20,847 | 10 | 4.0% | 49 | 1.3% | 50 | 114.7% | | 109.2% |
| CONNECTICUT | 19,560 | 25,525 | 26,022 | 1 | 5.9% | 9 | 1.9% | 39 | | 136.9% | 136.3% |
| DELAWARE | 15,891 | 20,514 | 20,816 | 11 | 5.5% | 18 | 1.5% | 48 | | 110.1% | 109.0% |
| D.C. | 18,049 | 23,351 | 24,063 | 3 | 5.9% | 8 | 3.0% | 21 | | 125.3% | 126.0% |
| FLORIDA | 14,897 | 18,632 | 18,992 | 20 | 5.0% | 33 | 1.9% | 41 | 99.9% | 100.0% | 99.5% |
| GEORGIA | 13,707 | 17,024 | 17,436 | 30 | 4.9% | 37 | 2.4% | 31 | 91.9% | 91.3% | 91.3% |
| HAWAII | 15,305 | 20,552 | 21,190 | 8 | 6.7% | 1 | 3.1% | 20 | 102.6% | 110.3% | 111.0% |
| ILLINOIS | 15,961 | 20,338 | 20,731 | 12 | 5.4% | 23 | 1.9% | 40 | 107.0% | 109.1% | 108.6% |
| INDIANA | 13,413 | 16,792 | 17,179 | 33 | 5.1% | 31 | 2.3% | 33 | 90.0% | 90.1% | 90.0% |
| IOWA | 13,420 | 16,884 | 17,296 | 31 | 5.2% | 28 | 2.4% | 30 | 90.0% | 90.6% | 90.6% |
| KANSAS | 14,502 | 17,765 | 18,322 | 22 | 4.8% | 39 | 3.1% | 19 | 97.3% | 95.3% | 96.0% |
| KENTUCKY | 11,547 | 14,965 | 15,626 | 40 | 6.2% | 3 | 4.4% | 5 | 77.4% | 80.3% | 81.8% |
| LOUISIANA | 11,658 | 14,279 | 15,046 | 46 | 5.2% | 27 | 5.4% | 2 | 78.2% | 76.6% | 78.8% |
| MAINE | 13,205 | 17,137 | 17,454 | 29 | 5.7% | 13 | 1.8% | 44 | 88.6% | 91.9% | 91.4% |
| MARYLAND | 17,162 | 21,816 | 22,189 | 6 | 5.3% | 24 | 1.7% | 46 | 115.1% | 117.0% | 116.2% |
| MASSACHUSETTS | 17,669 | 22,520 | 23,003 | 4 | 5.4% | 21 | 2.1% | 35 | 118.5% | 120.8% | 120.5% |
| MICHIGAN | 15,100 | 18,293 | 18,655 | 21 | 4.3% | 48 | 2.0% | 38 | 101.3% | 98.1% | 97.7% |
| MINNESOTA | 15,118 | 18,689 | 19,125 | 19 | 4.8% | 38 | 2.3% | 32 | 101.4% | | 100.2% |
| MISSISSIPPI | 9,825 | 12,709 | 13,328 | 51 | 6.3% | 2 | 4.9% | 3 | 65.9% | 68.2% | 69.8% |
| MISSOURI | 14,274 | 17,324 | 17,928 | 25 | 4.7% | 43 | 3.5% | 15 | 95.7% | 92.9% | 93.9% |
| NEBRASKA | 13,581 | 17,222 | 17,718 | 27 | 5.5% | 20 | 2.9% | 23 | 91.1% | 92.4% | 92.8% |
| NEW HAMPSHIRE | 17,070 | 20,998 | 21,760 | 7 | 5.0% | 34 | 3.6% | 13 | 114.5% | | 114.0% |
| NEW JERSEY | 19,123 | 25,157 | 25,666 | 2 | 6.1% | 5 | 2.0% | | | 135.0% | |
| NEW YORK | 17,094 | | | | | 15 | 1.9% | | | | |
| NORTH CAROLINA | | 16,398 | 16,853 | 35 | 5.7% | 12 | 2.8% | 25 | 85.5% | 88.0% | 88.3% |
| NORTH DAKOTA | 12,382 | 15,118 | 15,605 | 41 | 4.7% | 41 | 3.2% | 16 | 83.0% | 81.1% | 81.7% |
| OHIO | 14,081 | 17,418 | 17,770 | 26 | 4.8% | 40 | 2.0% | 37 | 94.4% | 93.4% | 93.1% |
| OKLAHOMA | 12,548 | 15,139 | 15,541 | 42 | 4.4% | 47 | 2.7% | 27 | 84.2% | 81.2% | 81.4% |
| OREGON | 13,518 | 17,098 | 17,575 | 28 | 5.4% | 22 | 2.8% | 24 | 90.7% | 91.7% | 92.1% |
| PENNSYLVANIA | 14,715 | 18,719 | 19,306 | 17 | 5.6% | 17 | 3.1% | 18 | 98.7% | 100.4% | 101.1% |
| RHODE ISLAND | 14,870 | 18,786 | 19,207 | 18 | 5.3% | 26 | 2.2% | 34 | 99.7% | 100.8% | 100.6% |
| SOUTH CAROLINA | 11,595 | 15,097 | 15,467 | 44 | 5.9% | 7 | 2.5% | 29 | 77.8% | 81.0% | 81.0% |
| SOUTH DAKOTA | 11,890 | 15,524 | 16,071 | 38 | 6.2% | 4 | 3.5% | 14 | 79.7% | 83.3% | 84.2% |
| TENNESSEE | 12,467 | 15,880 | 16,486 | 37 | 5.7% | 11 | 3.8% | 12 | 83.6% | 85.2% | 86.4% |
| TEXAS | 13,882 | 16,580 | 17,230 | 32 | 4.4% | 46 | 3.9% | 11 | 93.1% | 89.0% | 90.2% |
| VERMONT | 13,621 | 17,666 | 17,997 | 23 | 5.7% | 14 | 1.9% | 43 | 91.4% | 94.8% | 94.3% |
| VIRGINIA | 15,644 | 19,725 | 20,082 | 13 | 5.1% | 30 | 1.8% | 45 | 104.9% | 105.8% | 105.2% |
| WASHINGTON | 15,146 | 18,727 | 19,484 | 15 | 5.2% | 29 | 4.0% | 10 | 101.6% | 100.5% | 102.1% |
| WEST VIRGINIA | 10,896 | 13,704 17,468 | 14,301 17,939 | 50 | 5.6% | 16 | 4.4% | 6 | 73.1% | 73.5% | 74.9% |
| | | | | | 5.0% | | 2.7% | | | | |

Source: U.S. Bureau of Economic Analysis

Table 41 (con't)
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| 1 | | | Total Pers | onal Ir | come per Ho | ısehol | d | | | | |
|----------------------|----------------------|----------------------|----------------------|----------|--------------|----------|--------------|----------|----------------|----------------|----------------|
| ŀ | | | _ V.m. 1 OIS | | Avg. Ann. | 2301101 | Percent | | As a Perce | nt of U.S | Persona |
| | Number | Number | Number | | Growth Rate | | Change | | 1 | per Hous | |
| | 1986 | 1990 | 1991 | Rank | | | 1990-91 | Rank | | 1990 | 1991 |
| UNITED STATES | \$40,500 | \$50,400 | \$51,600 | | 5.0% | | 2.4% | | 100.0% | 100.0% | 100.09 |
| MOUNTAIN STATES | | \$44,600 | \$46,000 | | 4.1% | | 3.1% | | 92.8% | 88.5% | 89.19 |
| ARIZONA | \$38,200 | \$43,300 | \$44,400 | 37 | 3.1% | 50 | 2.5% | 28 | 94.3% | 85.9% | 86.09 |
| COLORADO | \$41,100 | \$48,200 | \$49,700 | 20 | 3.9% | 49 | 3.1% | 17 | 101.5% | 95.6% | 96.39 |
| IDAHO | \$32,600 | \$42,100 | \$42,800 | 41 | 5.6% | 7 | 1.7% | 47 | 80.5% | 83.5% | 82.99 |
| MONTANA | \$32,700 | \$38,300 | \$41,000 | 46 | 4.6% | 38 | 7.0% | 1 | 80.7% | 76.0% | 79.59 |
| NEVADA | \$39,700 | \$50,700 | \$51,000 | 16 | 5.1% | 24 | 0.6% | 51 | 98.0% | 100.6% | 98.89 |
| NEW MEXICO | \$33,100 | \$39,200 | \$40,900 | 47 | 4.3% | 43 | 4.3% | 4 | 81.7% | 77.8% | 79.39 |
| UTAH | \$37,000 | \$45,000 | \$46,900 | 28 | 4.9% | 31 | 4.2% | 8 | 91.4% | 89.3% | 90.99 |
| WYOMING | \$37,100 | \$44,100 | \$45,400 | 33 | 4.1% | 46 | 2.9% | 22 | 91.6% | 87.5% | 88.09 |
| OTHER STATES | | | | | | | | | | | |
| ALABAMA | \$32,000 | \$39,900 | \$41,600 | 44 | 5.4% | 12 | 4.3% | 6 | 79.0% | 79.2% | 80.6 |
| ALASKA | \$54,500 | \$60,500 | \$61,300 | 5 | 2.4% | 51 | 1.3% | 50 | 134.6% | | 118.89 |
| ARKANSAS | \$30,000 | \$37,000 | \$38,600 | 49 | 5.2% | 22 | 4.3% | 5 | 74.1% | 73.4% | 74.89 |
| CALIFORNIA | \$46,900 | \$59,000 | \$59,800 | 8 | 5.0% | 27 | 1.4% | 49 | | | 115.99 |
| CONNECTICUT | \$53,100 | \$68,200 | \$69,500 | 2 | 5.5% | 9 | 1.9% | 42 | 131.1% | 135.3% | 134.79 |
| DELAWARE | \$43,300 | \$55,300 | \$56,100 | 12 | 5.3% | 16 | 1.4% | 48 | 106.9% | 109.7% | 108.79 |
| D.C. | \$45,000 | \$56,700 | \$58,400 | 10 | 5.4% | 14 | 3.0% | 20 | 111.1% | 112.5% | 113.29 |
| FLORIDA | \$37,500 | \$46,900 | \$47,800 | 25 | 5.0% | 28 | 1.9% | 40 | 92.6% | 93.1% | 92.69 |
| GEORGIA | \$38,100 | \$46,600 | \$47,700 | 26 | 4.6% | 39 | 2.4% | 31 | 94.1% | 92.5% | 92.49 |
| HAWAII | \$48,400 | \$64,000 | \$65,900 | 3 | 6.4% | 1 | 3.0% | 21 | 119.5% | | 127.79 |
| ILLINOIS | \$43,500 | \$55,300 | \$56,400 | 11 | 5.3% | 15 | 2.0% | 39 | 107.4% | 109.7% | 109.39 |
| INDIANA | \$36,400 | \$45,100 | \$46,100 | 32 | 4.8% | 32 | 2.2% | 33 | 89.9% | 89.5% | 89.39 |
| IOWA | \$35,700 | \$44,100 | \$45,100 | 35 | 4.8% | 35 | 2.3% | 32 | 88.1% | 87.5% | 87.49 |
| KANSAS | \$38,200 | \$46,600 | \$48,000 | 24 | 4.7% | 37 | 3.0% | 19 | 94.3% | 92.5% | 93.09 |
| KENTUCKY | \$31,800 | \$40,000 | \$41,700 | 43 | 5.6% | 8 | 4.3% | 7 | 78.5% | 79.4% | 80.89 |
| LOUISIANA | \$33,500 | \$40,200 | \$42,400 | 42 | 4.8% | 33 | 5.5% | 2 | 82.7% | 79.8% | 82.29 |
| MAINE | \$35,300 | \$45,300 | \$46,100 | 31 | 5.5% | 10 | 1.8% | 46 | 87.2% | 89.9% | 89.39 |
| MARYLAND | \$47,200 | \$59,600 | \$60,700 | 7 | 5.2% | 23 | 1.8% | 44 | 116.5% | 118.3% | 117.69 |
| MASSACHUSETTS | \$47,400 | \$60,300 | \$61,600 | 4 | 5.4% | 13 | 2.2% | 36 | 117.0% | 119.6% | 119.49 |
| MICHIGAN | \$41,700 | \$49,700 | \$50,700 | 19 | 4.0% | 47 | 2.0% | 37 | 103.0% | 98.6% | 98.39 |
| MINNESOTA | \$40,700 | \$49,600 | \$50,800 | 17 | 4.5% | 40 | 2.4% | 30 | 100.5% | 98.4% | 98.49 |
| MISSISSIPPI | \$28,600 | \$35,900 | \$37,600 | 50 | 5.6% | 5 | 4.7% | 3 | 70.6% | 71.2% | 72.99 |
| MISSOURI | \$37,700 | \$45,200 | \$46,800 | 29 | 4.4% | 42 | 3.5% | 14 | 93.1% | 89.7% | 90.79 |
| NEBRASKA | \$35,900 | \$45,200 | \$46,400 | 30 | 5.3% | 18 | 2.7% | 26 | 88.6% | 89.7% | 89.99 |
| NEW HAMPSHIRE | \$46,300 | \$56,700 | \$58,700 | 9 | 4.9% | 30 | 3.5% | 15 | 114.3% | 112.5% | 113.89 |
| NEW JERSEY | \$52,500 | | \$71,000 | 1 | 6.2% | 2 | 2.0% | 38 | | 138.1% | |
| | | \$59,800 | | | 6.0% | | | | 112.3% | | |
| NORTH CAROLINA | | | | 36 | 5.2% | 21 | 2.8% | 23 | 85.2% | 85.7% | 86.09 |
| NORTH DAKOTA OHIO | \$34,000 \$37,900 | \$40,000 \$46,200 | \$41,300 \$47,200 | 45 27 | 4.0% 4.5% | 48 41 | 3.3% 2.2% | 16 35 | 84.0% 93.6% | 79.4% 91.7% | 80.09 91.59 |
| OKLAHOMA | \$33,000 | \$39,500 | \$40,500 | 48 | 4.2% | 45 | 2.5% | 29 | 81.5% | 78.4% | 78.59 |
| OREGON | \$34,500 | \$44,100 | \$45,300 | 34 | 5.6% | 6 | 2.7% | 25 | 85.2% | 87.5% | 87.89 |
| PENNSYLVANIA | \$39,700 | \$49,500 | \$51,000 | 14 | 5.1% | 25 | 3.0% | 18 | 98.0% | 98.2% | 98.89 |
| RHODE ISLAND | \$39,800 | \$49,900 | \$51,000 | 15 | 5.1% | 26 | 2.2% | 34 | 98.3% | 99.0% | 98.89 |
| SOUTH CAROLINA | | \$41,800 | \$42,900 | 40 | 5.2% | 20 | 2.6% | 27 | 82.2% | 82.9% | 83.19 |
| SOUTH DAKOTA | \$32,300 | \$41,700 | \$43,200 | 39 | 6.0% | 4 | 3.6% | 13 | 79.8% | 82.7% | 83.79 |
| TENNESSEE | \$33,600 | \$41,800 | \$43,400 | 38 | 5.3% | 19 | 3.8% | 12 | 83.0% | 82.9% | 84.19 |
| TEXAS | \$39,200 | \$46,400 | \$48,200 | 22 | 4.2% | 44 | 3.9% | 11 | 96.8% | 92.1% | 93.49 |
| VERMONT | \$36,900 | \$47,100 | \$48,000 | 23 | 5.4% | 11 | 1.9% | 41 | 91.1% | 93.5% | 93.09 |
| VIRGINIA | \$42,700 | \$53,200 | \$54,200 | 13 | 4.9% | 29 | 1.9% | 43 | 105.4% | 105.6% | 105.09 |
| WASHINGTON | \$39,200 | \$48,700 | \$50,700 | 18 | 5.3% | 17 | 4.1% | 10 | 96.8% | 96.6% | 98.39 |
| WEST VIRGINIA | \$29,400 | \$35,700 | \$37,200 | 51 | 4.8% | 34 | 4.2% | 9 | 72.6% | 70.8% | 72.19 |
| WISCONSIN | \$38,200 | \$46,900 | \$48,200 | 21 | 4.8% | 36 | 2.8% | 24 | 94.3% | 93.1% | 93.49 |

Source: Base data from the U.S. Bureau of the Census and the U.S. Bureau of Economic Analysis. Personal income per household estimate calculated by Utah Foundation.

Table 41 (con't)
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| [| | Aver | age Annua | l Pay fo | r all Workers | Cove | red by Un | emplo | yment Ins | urance | |
|---------------------------|------------------|----------------------|----------------------|-----------------|------------------------|----------|-------------------|----------|--------------------|------------------|---------------------|
| | | | | | Avg. Ann. | | Percent | | | | |
| | Number 1986 | Number 1990 | Number 1991 | Rank | Growth Rate 1986-91 | | Change 1990-91 | Rank | As a | Percent of 1990 | of U.S. 1991 |
| UNITED STATES | \$19,966 | \$23,602 | \$24,575 | | 4.2% | | 4.1% | | 100.0% | 100.0% | 100.0% |
| MOUNTAIN STATES | 18,670 | 21,153 | 21,998 | | 3.3% | | 4.0% | | 93.5% | 89.6% | 89.5% |
| ARIZONA | 18,870 | 21,443 | 22,207 | 27 | 3.3% | | 3.6% | 39 | 94.5% | 90.9% | 90.4% |
| COLORADO IDAHO | 20,275 16,623 | 22,908 18,991 | 23,981 19,688 | 14 45 | 3.4% 3.4% | 38 35 | 4.7% 3.7% | 12 37 | 101.5% 83.3% | 97.1% 80.5% | 97.6% 80.1% |
| MONTANA | 16,085 | 17,895 | 18,648 | 48 | 3.0% | | 4.2% | 22 | 80.6% | 75.8% | 75.9% |
| NEVADA | 18,739 | 22,358 | 23,083 | 22 | 4.3% | 19 | 3.2% | 44 | 93.9% | 94.7% | 93.9% |
| NEW MEXICO | 17,301 | 19,347 | 20,275 | 43 | 3.2% | | 4.8% | 9 | 86.7% | 82.0% | 82.5% |
| UTAH WYOMING | 17,863 18,969 | 20,074 20,049 | 20,874 20,591 | 38 41 | 3.2 % 1.7% | | 4.0 % 2.7% | 28 51 | 89.5% 95.0% | 85.1 % 84.9% | 84.9 % 83.8% |
| OTHER STATES | 177.000 | 20.460 | 24.207 | | | | | | | | |
| ALABAMA ALASKA | 17,638 28,442 | 20,468 29,946 | 21,287 30,830 | 34 2 | 3.8% 1.6% | 26 51 | 4.0% 3.0% | 26 48 | 88.3% 142.5% | 86.7% 126.9% | 86.6% 125.5% |
| ARKANSAS | 16,162 | 18,204 | 19,008 | 47 | 3.3% | | 4.4% | 17 | 80.9% | 77.1% | 77.3% |
| CALIFORNIA | 21,998 | 26,180 | 27,499 | 7 | 4.6% | | 5.0% | 5 | 110.2% | | 111.9% |
| CONNECTICUT | 22,518 | 28,995 | 30,689 | 3 | 6.4% | 1 | 5.8% | 1 | 112.8% | | 124.9% |
| DELAWARE | 19,637 | 24,423 | 25,647 | 11 | 5.5% | 6 | 5.0% | 7 | 98.4% | | 104.4% |
| D.C. FLORIDA | 27,137 17,680 | 33,717 21,030 | 35,570 21,991 | 1 | 5.6% | 5 | 5.5% | 3 | 135.9% | | 144.7% |
| GEORGIA | 18,745 | 22,115 | 23,164 | 28 21 | 4.5% 4.3% | | 4.6% 4.7% | 15 11 | 88.6% 93.9% | 89.1% 93.7% | 89.5% 94.3% |
| HAWAII | 18,101 | 23,167 | 24,104 | 13 | 5.9% | 4 | 4.0% | 24 | 90.7% | 98.2% | 98.1% |
| ILLINOIS | 21,445 | 25,312 | 26,310 | 8 | 4.2% | 21 | 3.9% | 29 | 107.4% | 107.2% | 107.1% |
| INDIANA | 19,024 | 21,699 | 22,522 | 25 | 3.4% | 36 | 3.8% | 35 | 95.3% | 91.9% | 91.6% |
| IOWA | 16,598 | 19,224 | 19,810 | 44 | 3.6% | | 3.0% | 47 | 83.1% | 81.5% | 80.6% |
| KANSAS KENTUCKY | 17,934 17,357 | 20,238 19,947 | 21,002 20,730 | 36 40 | 3.2% 3.6% | | 3.8% 3.9% | 36 31 | 89.8% 86.9% | 85.7% 84.5% | 85.5% 84.4% |
| LOUISIANA | 18,290 | 20,646 | 21,501 | 31 | 3.3% | 41 | 4.1% | 23 | 91.6% | 87.5% | 87.5% |
| MAINE | 16,326 | 20,154 | 20,870 | 39 | 5.0% | | 3.6% | 40 | 81.8% | 85.4% | 84.9% |
| MARYLAND | 20,121 | 24,730 | 25,960 | 10 | 5.2% | 9 | 5.0% | 8 | 100.8% | | 105.6% |
| MASSACHUSETTS MICHIGAN | 20,925 22,721 | 26,699 25,376 | 28,041 26,125 | 6 9 | 6.0% 2.8% | 3 47 | 5.0% 3.0% | 6 49 | 104.8% 113.8% | 113.1% 107.5% | 114.1% 106.3% |
| MINNESOTA | 19,633 | 23,121 | 23,961 | 15 | 4.1% | 22 | 3.6% | 38 | | | |
| MISSISSIPPI | 15,420 | 17,718 | 18,411 | 49 | 3.6% | | 3.9% | 38 34 | 98.3% 77.2% | 98.0% 75.1% | 97.5% 74.9% |
| MISSOURI | 18,915 | 21,716 | 22,567 | 24 | 3.6% | 32 | 3.9% | 33 | 94.7% | 92.0% | 91.8% |
| NEBRASKA | 16,106 | 18,577 | 19,372 | 46 | 3.8% | | 4.3% | 20 | 80.7% | 78.7% | 78.8% |
| NEW HAMPSHIRE | 18,303 | 22,609 | 23,600 | 20 | 5.2% | 10 | 4.4% | 18 | 91.7% | 95.8% | 96.0% |
| NEW JERSEY NEW YORK | 22,309 23,200 | 28,449 | 29,992 30,011 | 5 | 6.1% | 2 | 5.4% | | 111.7% | | 122.0% |
| NORTH CAROLINA | | 20,220 | 21,087 | 4 35 | 5.3% 4.4% | 8 17 | | 30 19 | 116.2% 85.1% | 85.7% | 85.8% |
| NORTH DAKOTA | 15,778 | 17,626 | 18,132 | 50 | 2.8% | 48 | 2.9% | 50 | 79.0% | 74.7% | 73.8% |
| OHIO | 19,903 | 22,844 | 23,603 | 19 | 3.5% | 34 | 3.3% | 43 | 99.7% | 96.8% | 96.0% |
| OKLAHOMA | 18,345 | 20,288 | 20,968 | 37 | 2.7% | 49 | 3.4% | 42 | 91.9% | 86.0% | 85.3% |
| OREGON PENNSYLVANIA | 18,321 | 21,332 | 22,348 | 26 | | 23 | 4.8% | 10 | 91.8% | 90.4% | 90.9% |
| RHODE ISLAND | 19,403 17,733 | 23,457 22,387 | 24,393 23,082 | 12 23 | 4.7% 5.4% | 13 7 | 4.0% 3.1% | 27 45 | 97.2% | 99.4% | 99.3% |
| SOUTH CAROLINA | 16,603 | 19,668 | 20,439 | 42 | 4.2% | 20 | 3.1% | 32 | 88.8% 83.2% | 94.9% 83.3% | 93.9% 83.2% |
| SOUTH DAKOTA | 14,477 | 16,430 | 17,131 | 51 | 3.4% | 37 | 4.3% | 21 | 72.5% | 69.6% | 69.7% |
| TENNESSEE | 17,661 | 20,611 | 21,541 | 30 | 4.1% | 24 | 4.5% | 16 | 88.5% | 87.3% | 87.7% |
| TEXAS | 19,934 | 22,700 | 23,760 | 18 | 3.6% | 33 | 4.7% | 13 | 99.8% | 96.2% | 96.7% |
| VERMONT VIRGINIA | 16,862 18,972 | 20,532 22,750 | 21,355 23,804 | 33 17 | 4.8% 4.6% | 12 14 | 4.0% 4.6% | 25 14 | 84.5% 95.0% | 87.0% 96.4% | 86.9% 96.9% |
| WASHINGTON | 19,645 | 22,646 | 23,942 | 16 | 4.0% | 25 | 5.7% | 2 | 98.4% | 95.9% | 97.4% |
| WEST VIRGINIA | 18,402 | 20,715 | 21,356 | 32 | 3.0% | 45 | | | 92.2% | 87.8% | 86.9% |
| | 18,202 | 21,101 | 21,838 | 29 | | | | | | | |

Source: U.S. Bureau of Labor Statistics

Table 41 (con't)
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| | | | | Nonagr | icultural Pay | rolls | | | 1 + - | on Nonagricu | • | |
|-----------------|----------|--------------|-----------|--------|---------------|-------|---------|------|-----------|---------------|---------|-----|
| | | (in thousand | s) | | Avg. Ann. | | Percent | | | ally adjusted | · | ls) |
| | Amount | Amount | Amount | | Growth Rat | | Change | 1 | September | September | Pct Chg | |
| | 1986 | 1990 | 1991 | Rank | 1986-91 | Rank | 1990-91 | Rank | 1991 | 1992p | 1991-92 | Ran |
| UNITED STATES | 99,525.0 | 109,782.0 | 108,310.0 | | 1.7% | | -1.3% | | 108,751.0 | 108,868.0 | 0.1% | |
| MOUNTAIN STATES | 5,176.3 | 5,812.2 | 5,903.5 | | 2.7% | | 1.6% | | 5,966.0 | 6,073.3 | 1.8% | |
| ARIZONA | 1,337.8 | 1,485.7 | 1,497.6 | 26 | 2.3% | 20 | 0.8% | 17 | 1,501.0 | 1,518.1 | 1.1% | 1 |
| COLORADO | 1,408.3 | 1,520.9 | 1,542.2 | 24 | 1.8% | 30 | 1.4% | 12 | 1,548.6 | 1,579.9 | 2.0% | |
| IDAHO | 328.2 | 384.9 | 398.1 | 44 | 3.9% | 4 | 3.4% | 1 | 409.1 | 420.7 | 2.8% | |
| MONTANA | 275.4 | 297.3 | 302.0 | 46 | 1.9% | 29 | 1.6% | 10 | 310.3 | 317.6 | 2.4% | |
| NEVADA | 468.1 | 620.9 | 632.5 | 37 | 6.2% | 1 | 1.9% | 7 | 642.4 | 653.6 | 1.7% | |
| NEW MEXICO | 528.1 | 580.4 | 583.2 | 39 | 2.0% | 26 | 0.5% | 20 | 589.7 | 594.4 | 0.8% | 1 |
| UTAH | 634.1 | 723.6 | 745.3 | 34 | 3.3 % | 7 | 3.0% | 2 | 754.9 | 777.7 | 3.0% | |
| WYOMING | 196.3 | 198.5 | 202.6 | 51 | 0.6% | 45 | 2.1% | 4 | 210.0 | 211.3 | 0.6% | 2 |
| OTHER STATES | | | | | | | | | | | | |
| ALABAMA | 1,463.3 | 1,635.7 | 1,639.0 | 21 | 2.3% | 19 | 0.2% | 22 | 1,646.2 | 1,656.4 | 0.6% | 2 |
| ALASKA | 220.7 | 238.1 | 243.0 | 50 | 1.9% | 27 | 2.1% | 5 | 253.8 | 256.3 | 1.0% | 1 |
| ARKANSAS | 813.8 | 923.5 | 936.7 | 33 | 2.9% | 10 | 1.4% | 11 | 953.9 | 981.4 | 2.9% | |
| CALIFORNIA | 11,258.1 | 12,830.1 | 12,497.1 | 1 | 2.1% | 23 | -2.6% | 42 | 12,506.4 | 12,260.3 | -2.0% | 4 |
| CONNECTICUT | 1,604.2 | 1,632.9 | 1,557.8 | 23 | -0.6% | 49 | -4.6% | 48 | 1,553.1 | 1,504.1 | -3.2% | 5 |
| DELAWARE | 303.2 | 347.6 | 341.4 | 45 | 2.4% | 18 | -1.8% | 35 | 341.3 | 337.6 | -1.1% | 3 |
| D.C. | 640.1 | 686.1 | 676.9 | 36 | 1.1% | 43 | -1.3% | 31 | 677.2 | 672.5 | -0.7% | 3 |
| FLORIDA | 4,599.4 | 5,387.4 | 5,280.2 | 4 | 2.8% | 11 | -2.0% | 38 | 5,236.6 | 5,241.8 | 0.1% | 2 |
| GEORGIA | 2,672.4 | 2,991.8 | 2,942.4 | 11 | 1.9% | 28 | -1.7% | 34 | 2,951.0 | 2,968.3 | 0.6% | 2 |
| HAWAII | 438.6 | 528.4 | 538.6 | 40 | 4.2% | 2 | 1.9% | 6 | 530.8 | 524.3 | -1.2% | 4 |
| ILLINOIS | 4,790.7 | 5,288.3 | 5,220.1 | 5 | 1.7% | 32 | -1.3% | 30 | 5,243.5 | 5,229.9 | -0.3% | 3 |
| INDIANA | 2,221.8 | 2,521.9 | 2,502.2 | 14 | 2.4% | 17 | -0.8% | 28 | 2,531.4 | 2,569.1 | 1.5% | 1 |
| IOWA | 1,073.8 | 1,226.3 | 1,236.5 | 29 | 2.9% | 9 | 0.8% | 16 | 1,248.4 | 1,251.8 | 0.3% | 2 |
| KANSAS | 984.8 | 1,088.5 | 1,095.1 | 31 | 2.1% | 22 | 0.6% | 19 | 1,106.8 | 1,125.8 | 1.7% | |
| KENTUCKY | 1,274.1 | 1,470.5 | 1,470.0 | 27 | 2.9% | 8 | -0.0% | 25 | 1,485.8 | 1,493.0 | 0.5% | 2 |
| LOUISIANA | 1,518.5 | 1,589.9 | 1,616.9 | 22 | 1.3% | 39 | 1.7% | 9 | 1,633.4 | 1,626.2 | -0.4% | 3 |
| MAINE | 477.4 | 534.9 | 513.4 | 41 | 1.5% | 35 | -4.0% | 46 | 522.8 | 524.1 | 0.2% | 2 |
| MARYLAND | 1,952.0 | 2,171.2 | 2,096.6 | 20 | 1.4% | 36 | -3.4% | 43 | 2,096.8 | 2,051.0 | -2.2% | 4 |
| MASSACHUSETTS | 2,984.8 | 2,979.0 | 2,817.0 | 13 | -1.2% | 51 | -5.4% | 49 | 2,810.6 | 2,752.5 | -2.1% | 4 |
| MICHIGAN | 3,657.3 | 3,969.6 | 3,874.8 | 8 | 1.2% | 42 | -2.4% | 41 | 3,900.3 | 3,898.0 | -0.1% | 3 |
| MINNESOTA | 1,892.5 | 2,129.5 | 2,136.3 | 19 | 2.5% | 14 | 0.3% | 21 | 2,157.1 | 2,194.7 | 1.7% | |
| MISSISSIPPI | 848.2 | 936.6 | 936.8 | 32 | 2.0% | 25 | 0.0% | 23 | 948.7 | 960.4 | 1.2% | 1 |
| MISSOURI | 2,142.6 | 2,345.0 | 2,295.2 | 15 | 1.4% | 37 | -2.1% | 39 | 2,313.6 | 2,304.1 | -0.4% | 3 |
| NEBRASKA | 652.5 | 730.1 | 736.2 | 35 | 2.4% | 15 | 0.8% | 15 | 740.7 | 740.0 | -0.1% | 3 |
| NEW HAMPSHIRE | 490.1 | 508.0 | 480.2 | 42 | -0.4% | 48 | -5.5% | 50 | 487.0 | 480.6 | -1.3% | 4 |
| NEW JERSEY | 3,490.5 | • | 3,493.1 | 9 | 0.0% | 46 | -4.1% | 47 | 3,480.9 | 3,392.3 | -2.5% | 5 |
| NEW YORK | 7,904.4 | 8,213.0 | 7,885.8 | 2 | -0.0% | 47 | -4.0% | 45 | 7,857.2 | 7,692.6 | -2.1% | 4 |
| NORTH CAROLINA | 2,744.1 | 3,117.7 | 3,070.1 | 10 | 2.3% | 21 | -1.5% | 33 | 3,096.1 | 3,116.3 | 0.7% | 2 |
| NORTH DAKOTA | 249.9 | 265.9 | 270.7 | 48 | 1.6% | 33 | 1.8% | 8 | 275.5 | 279.3 | 1.4% | 1 |
| OHIO | 4,471.4 | 4,882.4 | 4,811.2 | 7 | 1.5% | 34 | -1.5% | 32 | 4,848.7 | 4,832.4 | -0.3% | 3 |
| OKLAHOMA | 1,124.4 | 1,193.2 | 1,201.9 | 30 | 1.3% | 38 | 0.7% | 18 | 1,205.5 | 1,197.0 | -0.7% | 3 |
| OREGON | 1,058.5 | 1,251.9 | 1,250.6 | 28 | 3.4% | 5 | -0.1% | 26 | 1,270.0 | 1,285.4 | 1.2% | 1 |
| PENNSYLVANIA | 4,790.9 | 5,170.1 | 5,077.4 | 6 | 1.2% | 40 | -1.8% | 36 | 5,079.2 | 5,005.2 | -1.5% | 4 |
| RHODE ISLAND | 442.5 | 451.2 | 423.4 | 43 | -0.9% | 50 | -6.2% | 51 | 423.7 | 416.0 | -1.8% | 4 |
| SOUTH CAROLINA | 1,338.0 | 1,545.0 | 1,514.4 | 25 | 2.5% | 13 | -2.0% | 37 | 1,520.1 | 1,501.7 | -1.2% | 4 |
| SOUTH DAKOTA | 251.9 | 288.7 | 296.7 | 47 | 3.3% | 6 | 2.8% | 3 | 300.5 | 305.1 | 1.5% | 1 |
| TENNESSEE | 1,929.8 | 2,192.1 | 2,174.7 | 17 | 2.4% | 16 | -0.8% | 29 | 2,199.2 | 2,212.5 | 0.6% | 2 |
| TEXAS | 6,564.2 | 7,100.9 | 7,167.3 | 3 | 1.8% | 31 | 0.9% | 13 | 7,185.3 | 7,276.2 | 1.3% | 1 |
| VERMONT | 234.4 | 257.5 | 248.4 | 49 | 1.2% | 41 | -3.5% | 44 | 250.8 | 247.7 | -1.2% | 4 |
| VIRGINIA | 2,557.7 | 2,896.3 | 2,830.5 | 12 | 2.0% | 24 | -2.3% | 40 | 2,838.9 | 2,824.2 | -0.5% | 3 |
| WASHINGTON | 1,769.9 | 2,152.1 | 2,170.8 | 18 | 4.2% | 3 | 0.9% | 14 | 2,210.7 | 2,211.4 | 0.0% | 2 |
| WEST VIRGINIA | 597.5 | 630.1 | 629.3 | 38 | 1.0% | 44 | -0.1% | 27 | 632.5 | 639.7 | 1.1% | 1 |
| | 2,023.9 | 2,291.5 | 2,291.0 | 16 | 2.5% | 12 | -0.0% | 24 | 2,318.8 | 2,357.2 | 1.7% | |

p - preliminary

Source: U.S. Bureau of Labor Statistics

132 State of Utah

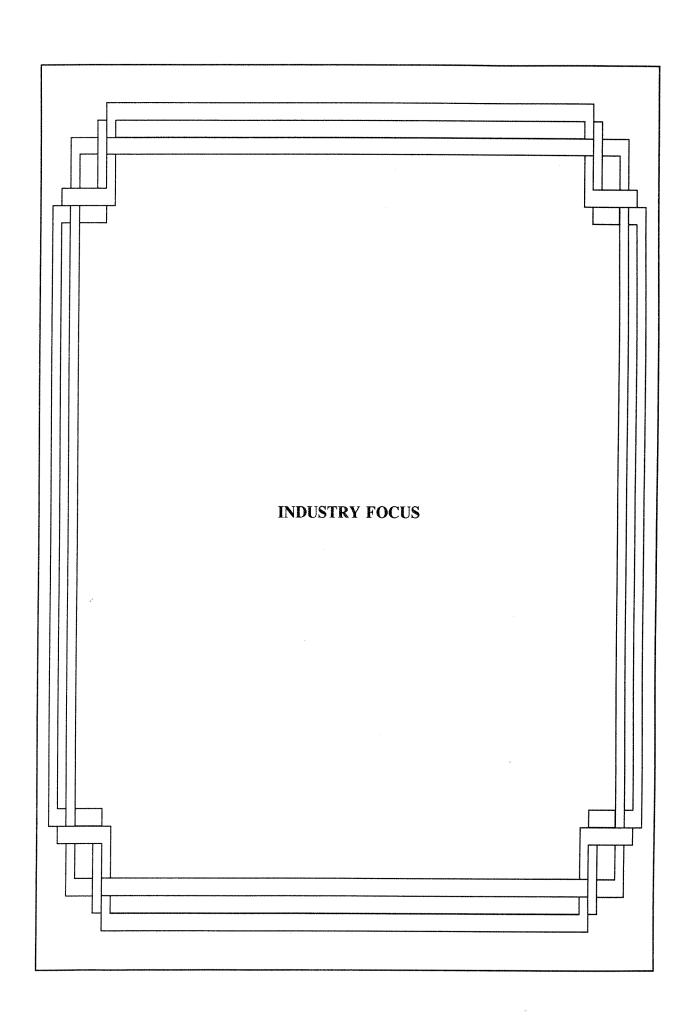
Table 41 (con't)
U.S., Mountain Division, and the States
Demographic and Economic Performance: 1986, 1990, 1991

| | | | | | | <u></u> | | | | | | |
|--------------------------------|-------------------|----------------|----------------|---------------------|--------------------|----------------|-----------------|-----------------|-------------------|-----------------|-------------------|-----------------|
| | | Unemp | loymer | t Rate in P | Change | Unem | ploymer Rank | Rank | Unemploy | | Rate in Per | |
| | 1986 | 1990 | 1991 | 1986-91 | 1990-91 | 1986 | | 1991 | 1 | Rank | 1 * | |
| UNITED STATES | 6.9 | 5.4 | 6.6 | -0.3 | 1.2 | | | | 6.4 | | 7.2 | |
| MOUNTAIN STATES | 7.3 | 5.2 | 5.6 | -1.8 | 0.4 | | | | 5.0 | | 5.6 | |
| ARIZONA | 6.9 | 5.3 | 5.7 | -1.2 | 0.4 | 24 | 27 | 38 | 5.9 | 27 | 6.4 | 22 |
| COLORADO | 7.4 | 4.9 | 5.0 | -2.4 | 0.1 | 21 | 36 | 43 | 3.8 | 47 | 4.5 | 44 |
| IDAHO MONTANA | 8.7 8.1 | 5.8 5.8 | 6.1 6.9 | -2.6 -1.2 | 0.3 1.1 | 12 17 | 15 17 | 32 18 | 4.5 6.2 | 43 23 | 5.3 6.2 | 40 30 |
| NEVADA | 6.0 | 4.9 | 5.5 | -0.5 | 0.6 | 32 | 37 | 39 | 5.2 | 37 | 6.6 | 20 |
| NEW MEXICO | 9.2 | 6.3 | 6.9 | -2.3 | 0.6 | 7 | 9 | 19 | 5.9 | 28 | 6.4 | 24 |
| UTAH | 6.0 9.0 | 4.3 5.4 | 4.9 5.1 | -1.1 -3.9 | 0.6 -0.3 | 33 8 | 44 26 | 45 42 | 4.8 4.5 | 41 44 | 4.9 4.7 | 42 43 |
| WYOMING | 9.0 | 3.4 | 3.1 | ~3.9 | -0.3 | 0 | 20 | 42 | 4.5 | 44 | 4.7 | 43 |
| OTHER STATES ALABAMA | 9.8 | 6.8 | 7.2 | -2.6 | 0.4 | 5 | 6 | 13 | 6.7 | 17 | 6.4 | 25 |
| ALASKA | 10.8 | 6.9 | 8.5 | -2.3 | 1.6 | 4 | 4 | 5 | 7.8 | 8 | 7.6 | 12 |
| ARKANSAS | 8.7 | 6.9 | 7.3 | -1.4 | 0.4 | 11 | 5 | 11 | 6.9 | 13 | 6.9 | 17 |
| CALIFORNIA CONNECTICUT | 6.7 3.8 | 5.6 5.1 | 7.5 6.7 | 0.8 2.9 | 1.9 1.6 | 26 49 | 20 31 | 8 21 | 7.5 7.0 | 9 11 | 9.2 7.1 | 2 15 |
| | | | | | | 49 47 | 32 | 30 | | 25 | | 41 |
| DELAWARE D.C. | 4.3 7.7 | 5.1 6.6 | 6.2 7.7 | 1.9 0.0 | 1.1 1.1 | 20 | 32 8 | 30 7 | 6.0 8.0 | 25 5 | 5.0 8.4 | 9 |
| FLORIDA | 5.7 | 5.9 | 7.3 | 1.6 | 1.4 | 35 | 14 | 12 | 8.0 | 6 | 9.1 | 3 |
| GEORGIA | 5.9 | 5.4 | 5.0 | -0.9 | -0.4 | 34 | 24 | 44 | 4.8 | 42 | 6.7 | 19 |
| HAWAII | 4.8 | 2.8 | 2.8 | -2.0 | 0.0 | 43 | 50 | 50 | 2.5 | 50 | 4.4 | 46 |
| ILLINOIS | 8.1 | 6.2 | 7.1 | -1.0 | 0.9 | 16 | 10 | 16 | 6.6 | 18 | 6.1 | 32 |
| INDIANA IOWA | 6.7 7.0 | 5.3 4.2 | 5.9 4.6 | -0.8 -2.4 | 0.6 0.4 | 27 22 | 28 46 | 34 46 | 5.4 4.2 | 34 45 | 6.2 3.8 | 29 49 |
| KANSAS | 5.4 | 4.4 | 4.4 | -1.0 | 0.0 | 36 | 42 | 47 | 3.9 | 46 | 4.1 | 48 |
| KENTUCKY | 9.3 | 5.8 | 7.4 | -1.9 | 1.6 | 6 | 16 | 10 | 7.5 | 10 | 6.5 | 21 |
| LOUISIANA | 13.1 | 6.2 | 7.1 | -6.0 | 0.9 | 1 | 11 | 17 | 6.7 | 16 | 8.2 | 10 |
| MAINE MARYLAND | 5.3 4.5 | 5.1 4.6 | 7.5 5.9 | 2.2 1.4 | 2.4 1.3 | 37 46 | 33 41 | 9 35 | 6.8 5.6 | 15 32 | 5.9 6.7 | 33 18 |
| MASSACHUSETTS | 3.8 | 6.0 | 9.0 | 5.2 | 3.0 | 50 | 13 | 3 | 8.9 | 4 | 8.4 | 8 |
| MICHIGAN | 8.8 | 7.5 | 9.2 | 0.4 | 1.7 | 10 | 2 | 2 | 9.2 | 3 | 8.5 | 7 |
| MINNESOTA | 5.3 | 4.8 | 5.1 | -0.2 | 0.3 | 38 | 39 | 41 | 5.0 | 39 | 4.4 | 47 |
| MISSISSIPPI | 11.7 | 7.5 | 8.6 | -3.1 | 1.1 | 3 | 3 | 4 | 8.0 | 7 | | 11 |
| MISSOURI NEBRASKA | 6.1 5.0 | 5.7 2.2 | 6.6 2.7 | 0.5 -2.3 | 0.9 0.5 | 31 40 | 18 51 | 23 51 | 6.1 2.5 | 24 51 | 5.9 2.9 | 34 50 |
| NEW HAMPSHIRE | 2.8 | 5.6 | 7.2 | 4.4 | 1.6 | 51 | 21 | 14 | 7.0 | 12 | | 14 |
| NEW JERSEY | 5.0 | 5.0 | 6.6 | 1.6 | 1.6 | 41 | 34 | 24 | 6.0 | 26 | 8.6 | 5 |
| NEW YORK | 6.3 | 5.2 | 7.2 | 0.9 | 2.0 | 28 | 29 | 15 | 6.8 | 14 | 8.8 | 4 |
| NORTH CAROLINA NORTH DAKOTA | 5.3 6.3 | 4.1 3.9 | 5.8 4.1 | 0.5 -2.2 | 1.7 0.2 | 39 29 | 47 48 | 36 48 | 5.3 3.4 | 35 48 | | 39 45 |
| OHIO | 8.1 | 5.7 | 6.4 | -1.7 | 0.7 | 18 | 19 | 27 | 5.7 | 30 | | 26 |
| OKLAHOMA | 8.2 | 5.6 | 6.7 | -1.5 | 1.1 | 14 | 22 | 22 | 6.4 | 21 | 5.8 | 36 |
| OREGON | 8.5 | 5.5 | 6.0 | -2.5 | 0.5 | 13 | 23 | 33 | 5.5 | 33 | | 23 |
| PENNSYLVANIA RHODE ISLAND | 6.8 4.0 | 5.4 6.7 | 6.9 8.5 | 0.1 4.5 | 1.5 1.8 | 25 48 | 25 7 | 20 6 | 6.3 9.5 | 22 2 | 7.0 8.6 | 16 6 |
| SOUTH CAROLINA | 6.2 | 4.7 | 6.2 | 0.0 | 1.5 | 30 | 40 | 31 | 5.7 | 31 | | 27 |
| SOUTH DAKOTA | 4.7 | 3.7 | 3.4 | -1.3 | -0.3 | 44 | 49 | 49 | 3.1 | 49 | 2.8 | 51 |
| TENNESSEE | 8.0 | 5.2 | 6.6 | -1.4 | 1.4 | 19 | 30 | 25 | 6.4 | 19 | 5.9 | 35 |
| TEXAS | 8.9 4.7 | 6.2 5.0 | 6.6 6.4 | -2.3 1.7 | 0.4 | 9 · 45 | 12 35 | 26 28 | 6.4 5.2 | 20 | | 13 37 |
| VERMONT VIRGINIA | 5.0 | 4.3 | 5.8 | 0.8 | 1.4 1.5 | 45 42 | 35 45 | 28 37 | 5.2 | 38 36 | | 28 |
| WASHINGTON | 8.2 | 4.9 | 6.3 | -1.9 | 1.4 | 15 | 38 | 29 | 5.8 | 29 | | 31 |
| WEST VIRGINIA | 11.8 | 8.3 | 10.5 | -1.3 | 2.2 | 2 | 1 | 1 | 10.0 | 1 | 11.1 | 1 |
| WISCONSIN | 7.0 | 4.4 | 5.4 | -1.6 | 1.0 | 23 | 43 | 40 | 4.8 | 40 | 5.4 | 38 |

^{*} Not seasonally adjusted

Source: U.S. Bureau of Labor Statistics

p - Preliminary



AGRICULTURE

Land Use

Utah is a large state but it has a relatively small percentage of its land area that is used for the production of crops. For example, U.S. Department of Agriculture data indicate that 4 percent of Utah's 52.5 million acres is cropland. Most other states have more cropland and a much higher percentage of land that is devoted to the production of crops. For example, Maryland has approximately the same number of acres of cropland (2.1 million) as Utah (1.8 million) but in Maryland cropland represents about 1/4 of the land area of the state. Most of the land in Utah (72 percent) is classified as forest, pasture or rangeland. Utah is also an arid state that depends heavily on irrigation. As a result, land use and water are the two primary factors that limit agricultural production in the state.

Utah Agriculture: The National Perspective

Changes in the efficiency of agricultural production have allowed much of the prosperity that exists in America today. Only a small percentage of the people in the U.S. are directly engaged in farming. In addition, agricultural production as a percentage of GNP has declined over time from nearly 7 percent in 1950 to less than 2 percent today. This has allowed the nations citizens to spend a decreasing portion of their income on food — the citizens of no other nation spend a smaller percentage of their income on food.

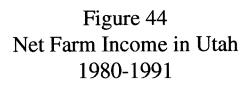
The leading agriculture-producing states are California, Texas Iowa, Nebraska and Illinois. Utah has never been a leading producing state — Utah ranked 38th in the total value of agricultural production in 1991. Utah is however, a leading state in the production of some products. For example, Utah has ranked second nationally for a number of years in the production of mink pelts and sour cherries. Utah's dairymen also milk relatively productive herds — Utah ranks tenth in the nation in milk production per cow. Utah's fledgling aquaculture has become important nationally — Utah ranked tenth in the commercial production of trout in 1991.

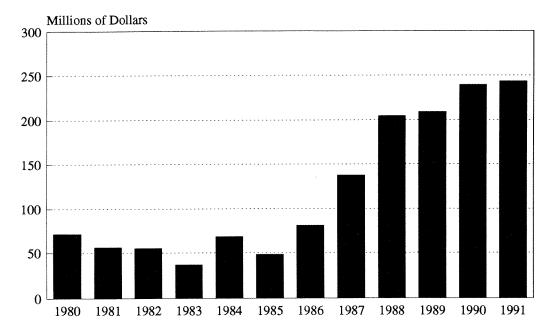
Agriculture is a dynamic industry that is changing nationally as well as within the state. For example, the number of stock sheep and lambs have declined in Utah and the nation, but the rate of decline has not been as rapid in Utah. As a result, the portion of the nation's sheep herd has increased in Utah — Utah now ranks sixth. Utah has also become a relatively important producer of calves.

Two areas where Utah differs from most other states concerns the number of farms and the role of part-time operators. For example, the number of farms in Utah increased from 12,764 in 1978 to 14,066 in 1987 (Census of Agriculture) while the number of farms nationally declined. Most of the increase in the number of farms has been in two general size classes — the small / part-time / hobby type farms and large commercial operations. This has a dramatic effect on farming in Utah. USDA data indicate that about 56 percent of the farms in Utah are operated by nonfarmers (Utah ranks eighth in the proportion of the farms who are operated by persons whose primary occupation is not farming) who operate farms on a part-time basis.

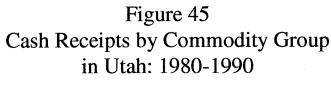
Farm Income

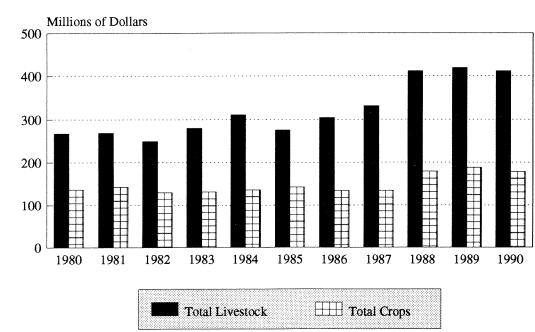
While cash income from farming generally increased throughout the 1980s, net farm income has been much more variable (Figure 44). The early 1980s was a period of financial crisis for agriculture in the U.S. and Utah was affected by this national trend. For example, net farm income in Utah decreased from \$71.4 billion in 1980 to \$36.8 billion in 1983, but increased rapidly after 1985. Much of this gain in income was due to the favorable prices received for livestock and the receipts obtained by livestock producers (Figure 45). The rapid increase in cattle and calf receipts has made livestock production a more dominant part of Utah agriculture than it has been in the past.





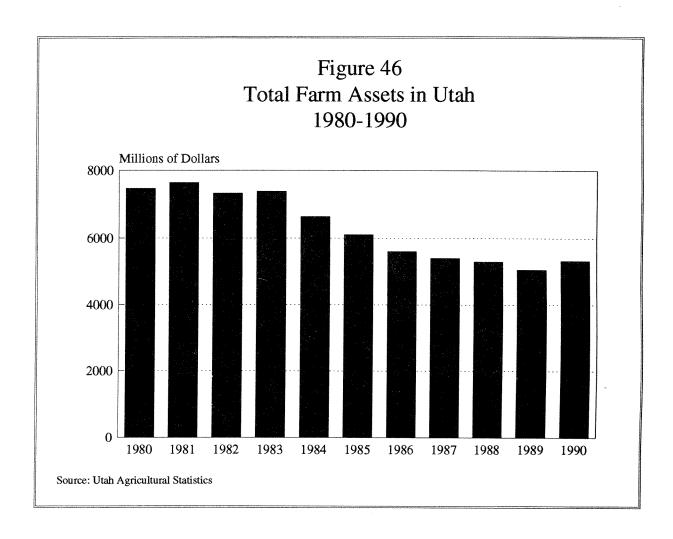
Source: Utah Agricultural Statistics





Source: Utah Agricultural Statistics

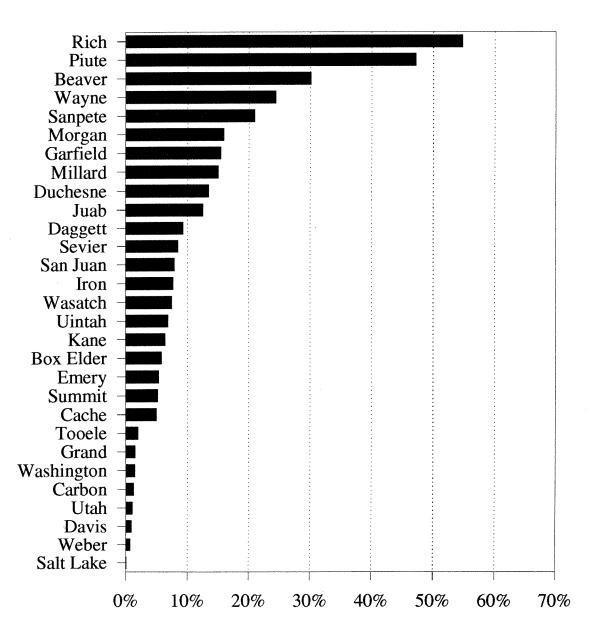
Perhaps the biggest change in agriculture in Utah (and the nation) that occurred during the 1980s was the rapid decline in asset values, particularly real estate (Figure 46). For example, the value of assets declined from about \$7.6 billion in 1981 to just over \$5 billion in 1989. During this same period liabilities increased to a high of just over \$1 billion in 1984 but have subsequently declined to just over \$650 million at the end of 1990. These data are shown in Table 42. This period of decline resulted in a loss of farm equity although Utah's farm families have had higher equity positions (a smaller debt-to-equity ratio) in their farming operation than farmers nationally. As a result, they have not had as high a level of financial risk as farmers in other states.



Personal Income from Farming

The Bureau of Economic Analysis derives figures for state and county total personal farm income from farm activities. These data are based on total agricultural receipts (including agricultural goods sold, government payments, and other farm-related income) minus production expenses. Personal farm income was \$292.9 million in 1990 which is more than three times the decade low of \$87.2 million that occurred in 1984. Farming has not been a major direct source of personal income in Utah for several decades; however, considerable variation occurs among counties (Figure 47).

Figure 47 Farm Earnings as a Percent of Total Earnings by County: 1990



Source: U.S. Bureau of Economic Analysis

Agriculture in Utah Counties

The leading agricultural production counties are: Cache, Sanpete, Box Elder, Millard, Davis, and Duchesne. There are however, large differences not only in the total amount of production by county but by the products produced. Some counties are dominated by the production of particular commodities such as dairy (Cache) and turkeys (Sanpete), but most counties are more diversified. Livestock production is the primary source of revenue in most counties though there are exceptions. Agricultural production is changing in some counties as shown in Table 44. For example, counties such as Daggett and San Juan have become more livestock-oriented while Davis, Weber and Salt Lake Counties have become more crop-oriented. The increases in crop production in the urban area counties are largely a function of increased vegetable and horticultural production intended for urban consumers, while the more rural counties have tended to become more dependent on cattle (beef) production.

The data in Figure 47 indicate that farm earnings in comparison to nonfarm earnings are relatively important in some counties (e.g., Rich and Piute), while farm earning are fairly insignificant in urban counties such as Salt Lake. Many of the rural counties have become more dependent on agriculture during the 1980s. For example, farm earnings as a percent of farm plus nonfarm earnings increased from 7.62 percent to 30.07 percent in Beaver County (Table 43). The increase in agricultural dependency for most counties occurred as a result of increases in agricultural income coupled with relatively minor increases in nonfarm income. All of the counties that had double digit increases in the percentage of farm earnings as compared to nonfarm earnings were rural counties and most have a high percentage of livestock-related income. Thus, while agricultural production in Utah may not be large when viewed from the point of view of the nation, it is very important in many rural areas of the state.

Table 42
Utah Farm Balance Sheet
Excluding Operator Households
December 31, 1980 to 1990

| | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 |
|-------------------|---------|---------|---------|---------|-----------------------|----------|---------|---------|---------|---------|---------|
| | | | | Ð | (Millions of Dollars) | llars) | | | | | |
| Total Assets | 7,479.7 | 7,649.8 | 7,338.1 | 7,394.6 | 6,653.6 | 6,107.5 | 5,601.9 | 5,392.0 | 5,288.7 | 5,053.4 | 5,313.0 |
| Real Estate | 6,271.5 | 6,466.1 | 6,101.5 | 6,235.0 | 5,523.1 | 5,053.1 | 4,534.1 | 4,197.0 | 4,124.3 | 3,881.0 | 4,020.7 |
| Livestock/Poultry | 453.2 | 387.4 | 412.3 | 385.8 | 356.9 | 352.2 | 360.6 | 484.4 | 536.5 | 572.0 | 582.7 |
| Machinery | 455.9 | 493.6 | 498.2 | 485.3 | 474.7 | 434.3 | 428.0 | 429.1 | 433.3 | 448.6 | 470.2 |
| Crops | 145.9 | 138.8 | 142.5 | 124.5 | 115.6 | 114.4 | 104.0 | 114.3 | 8.66 | 95.2 | 113.3 |
| Inputs | NA | NA | NA | NA | NA | NA | 7.0 | 7.4 | 12.0 | 13.2 | 15.5 |
| Coops | NA | NA | NA | NA | NA | NA AN | 113.8 | 105.8 | 26.9 | (12.3) | 50.9 |
| Other Assets | 153.3 | 163.9 | 183.7 | 164.0 | 183.4 | 153.4 | 54.4 | 54.0 | 55.9 | 55.6 | 59.6 |
| Total Liabilities | 876.0 | 960.5 | 1,005.6 | 1,002.0 | 1,011.4 | 952.9 | 829.0 | 756.3 | 743.0 | 694.3 | 626.9 |
| Real Estate | 498.5 | 553.1 | 572.4 | 595.0 | 588.9 | 549.0 | 499.4 | 447.0 | 428.2 | 396.4 | 366.6 |
| Non Real Estate | 371.5 | 399.4 | 423.2 | 407.0 | 422.4 | 403.9 | 329.6 | 309.3 | 314.8 | 297.9 | 290.3 |
| Other Liabilities | 0.9 | 8.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0:0 |
| Equity | 6,603.7 | 6,689.3 | 6,332.5 | 6,392.5 | 5,642.2 | 5,154.6 | 4,772.9 | 4,635.7 | 4,545.7 | 4,359.1 | 4,656.1 |
| Debt/Equity | 0.1327 | 0.1436 | 0.1588 | 0.1567 | 0.1793 | 0.1849 | 0.1737 | 0.1631 | 0.1635 | 0.1593 | 0.1411 |

Source: U.S. Department of Agriculture.

Table 43
Utah Farm and Nonfarm Earnings by County
(Thousands of Dollars)

| • | Total | 1980 | | Farm | Total | 1990 | | Farm | Change Percen |
|------------|-----------|---------|-----------|---------|------------|---------|------------|---------|------------------|
| | Earnings | Farm | Non-farm | Percent | Earnings | Farm | Non-farm | Percent | 1980-19 |
| | 4.000 | | | | 00.54 | 11.005 | 25.255 | 00.05 | |
| Beaver | 17,906 | 1,365 | 16,541 | 7.62 | 37,561 | 11,295 | 26,266 | 30.07 | 22.4 |
| Box Elder | 217,276 | 12,101 | 205,175 | 5.57 | 530,700 | 30,739 | 499,961 | 5.79 | 0.2 |
| Cache | 255,470 | 15,569 | 239,901 | 6.09 | 593,596 | 29,493 | 564,103 | 4.97 | -1.1 |
| Carbon | 154,843 | 771 | 154,072 | 0.50 | 204,712 | 2,670 | 202,042 | 1.30 | 0.8 |
| Daggett | 5,900 | 636 | 5,264 | 10.78 | 7,359 | 684 | 6,675 | 9.29 | -1.4 |
| Davis | 822,872 | 7,499 | 815,373 | 0.91 | 1,690,204 | 16,060 | 1,674,144 | 0.95 | 0.0 |
| Duchesne | 73,206 | 3,340 | 69,866 | 4.56 | 107,580 | 14,445 | 93,135 | 13.43 | 8.8 |
| Emery | 102,290 | 432 | 101,858 | 0.42 | 127,811 | 6,840 | 120,971 | 5.35 | 4.9 |
| Garfield | 24,792 | 949 | 23,843 | 3.83 | 33,998 | 5,231 | 28,767 | 15.39 | 11.5 |
| Grand | 54,026 | 744 | 53,282 | 1.38 | 50,172 | 782 | 49,390 | 1.56 | 0.1 |
| Iron | 75,163 | 1,283 | 73,880 | 1.71 | 167,193 | 12,864 | 154,329 | 7.69 | 5.9 |
| Juab | 23,398 | 328 | 23,070 | 1.40 | 36,724 | 4,587 | 32,137 | 12.49 | 11.0 |
| Kane | 12,595 | 382 | 12,213 | 3.03 | 29,889 | 1,913 | 27,976 | 6.40 | 3.3 |
| Millard | 34,067 | 8,153 | 25,914 | 23.93 | 110,768 | 16,592 | 94,176 | 14.98 | -8.9 |
| Morgan | 19,383 | 2,053 | 17,330 | 10.59 | 29,821 | 4,741 | 25,080 | 15.90 | 5.3 |
| Piute | 4,547 | 1,239 | 3,308 | 27.25 | 6,466 | 3,050 | 3,416 | 47.17 | 19.9 |
| Rich | 5,424 | 1,217 | 4,207 | 22.44 | 12,580 | 6,886 | 5,694 | 54.74 | 32.3 |
| Salt Lake | 4,724,053 | 11,474 | 4,712,579 | 0.24 | 9,538,900 | 12,477 | 9,526,423 | 0.13 | -0.1 |
| San Juan | 57,596 | 2,048 | 55,548 | 3.56 | 74,857 | 5,902 | 68,955 | 7.88 | 4.3 |
| Sanpete | 37,050 | 2,139 | 34,911 | 5.77 | 95,701 | 19,998 | 75,703 | 20.90 | 15.1 |
| Sevier | 77,058 | 3,829 | 73,229 | 4.97 | 125,160 | 10,583 | 114,577 | 8.46 | 3.4 |
| Summit | 57,893 | 3,498 | 54,395 | 6.04 | 174,614 | 9,074 | 165,540 | 5.20 | -0.8 |
| Tooele | 173,858 | 2,152 | 171,706 | 1.24 | 310,403 | 6,262 | 304,141 | 2.02 | 0.7 |
| Uintah | 133,804 | 3,190 | 130,614 | 2.38 | 188,474 | 12,900 | 175,574 | 6.84 | 4.4 |
| Utah | 919,882 | 8,620 | 911,262 | 0.94 | 2,144,741 | 23,743 | 2,120,998 | 1.11 | 0.1 |
| Wasatch | 31,425 | 1,486 | 29,939 | 4.73 | 56,509 | 4,226 | 52,283 | 7.48 | 2.7 |
| Washington | 83,449 | 3,031 | 80,418 | 3.63 | 319,405 | 4,819 | 314,586 | 1.51 | -2.1 |
| Wayne | 8,245 | 917 | 7,328 | 11.12 | 13,325 | 3,241 | 10,084 | 24.32 | 13.2 |
| Weber | 721,564 | 4,261 | 717,303 | 0.59 | 1,530,479 | 10,762 | 1,519,717 | 0.70 | 0.1 |
| | | | | | | | | | 0.0 |
| State | 8,929,035 | 104,706 | 8,824,329 | 1.17 | 18,349,702 | 292,859 | 18,056,843 | 1.60 | 0.4 |

Source: Bureau of Economic Analysis.

Table 44
Cash Receipts by Source in Utah Counties
(Thousands of Dollars)

| | | 1990 | | | 1989 | | | 1988 | | | 1987 | | | 1986 | |
|------------|-------|-----------|----------|----------|-----------|--------|-------|-----------|-------|-------|-----------|-------|-------|-----------|-------|
| COUNTY | Crops | Livestock | TOTAL | Crops | Livestock | TOTAL | Crops | Livestock | TOTAL | Crops | Livestock | TOTAL | Crops | Livestock | TOTAL |
| | | į | | , | | ę | , | () | ų, | | 0 | , | 3 0 | 761 | 'n |
| BEAVER | 9.6 | 17.1 | 17 | 4 | 9 | 07 | 5.3 | 13.2 | 16.5 | 4.7 | 5.9 | 10.3 | C.7 | 14.0 | CI , |
| BOX ELDER | 26.4 | 47.3 | 73.7 | 27.4 | 47.7 | 75.1 | 26.6 | 42.7 | 69.3 | 20.7 | 9 | /:09 | 19.9 | 36.7 | 36.6 |
| CACHE | 13.4 | 78.6 | 92 | 13.5 | 75 | 88.5 | 12.4 | 67.2 | 9.62 | 10.1 | 61.5 | 71.6 | 8.6 | 55.8 | 65.5 |
| CARBON | 9.0 | 4.3 | 4.9 | 0.7 | 4.2 | 4.9 | 8.0 | 4.9 | 5.7 | 0.5 | 4.3 | 4.8 | 9.0 | 3.4 | 4 |
| DAGGETT | 0.2 | 1.7 | 1.9 | 0.3 | 1.5 | 1.8 | 0.3 | 1.3 | 1.6 | 0.2 | 6.0 | Ξ | 0.4 | 8.0 | 1.2 |
| DAVIS | 22.4 | 12.4 | 34.8 | 20.9 | 11.2 | 32.1 | 20.6 | 10.6 | 31.2 | 14 | 10.1 | 24.1 | 10 | 6 | 19 |
| DUCHESNE | 4.4 | 26 | 30.4 | 8 | 26 | 31 | 8.4 | 22.9 | 27.7 | 3.5 | 19.4 | 22.9 | 2.9 | 17.3 | 20.2 |
| EMERY | 2 | 10.6 | 12.6 | 2.1 | 10.8 | 12.9 | 2.2 | 8,4 | 10.6 | 1.4 | 7.7 | 9.1 | 1.6 | 6.8 | 8.4 |
| GARFIELD | 1.2 | 7.7 | 6.8 | 1.7 | 8 | 6.7 | 1.5 | 6.7 | 8.2 | 1.2 | 5.7 | 6.9 | | 'n | 9 |
| GRAND | 9.0 | 2.1 | 2.7 | 0.5 | 2 | 2.5 | 0.5 | 2.8 | 3.3 | 0.3 | 2.2 | 2.5 | 0.3 | 1.8 | 2.2 |
| IRON | 6.7 | 12.1 | 21.8 | 9.6 | 12.2 | 21.8 | 8.4 | 11 | 19.4 | 6.5 | 10.7 | 17.2 | 7.8 | 7.6 | 17.5 |
| JUAB | 2.9 | 5.3 | 8.2 | 3.2 | 5.5 | 8.7 | 2.7 | 5 | 7.7 | 2.1 | 4.6 | 6.7 | 2.5 | 3.9 | 6.4 |
| KANE | 0.4 | 4 | 4.4 | 0.4 | 3.9 | 4.3 | 0.3 | 3.7 | 4 | 0.3 | 2.9 | 3.2 | 0.3 | 2.2 | 2.5 |
| MILLARD | 21.5 | 27.8 | 49.3 | 20.4 | 27.3 | 47.7 | 18.6 | 25.2 | 43.8 | 15.5 | 22.1 | 37.6 | 20,4 | 19.5 | 39.8 |
| MORGAN | 1.3 | 11.5 | 12.8 | 1.3 | 11.5 | 12.8 | 1.1 | 12.4 | 13.5 | 8.0 | 10 | 10.8 | 8.0 | 10.7 | 11.5 |
| PIUTE | | 7 | ∞ | 1.1 | 8.9 | 7.9 | 8.0 | 5.9 | 6.7 | 0.7 | 5.5 | 6.2 | 9.0 | 5.1 | 5.7 |
| RICH | 1.7 | 17.1 | 18.8 | 3.4 | 17.2 | 20.6 | 3.2 | 14.9 | 18.1 | 2.6 | 12 | 14.6 | 1.3 | 6.6 | 11.3 |
| SALTLAKE | 6 | 23.1 | 32.1 | 9.1 | 23.5 | 32.6 | 8.5 | 21 | 29.5 | 5.7 | 18.2 | 23.9 | 6.3 | 17.5 | 23.8 |
| SAN JUAN | 1.6 | 8.1 | 6.7 | 2.8 | × | 10.8 | 3.1 | 7 | 10.1 | 2.9 | 6.2 | 9.1 | 3.2 | 5.3 | 8.5 |
| SANPETE | 4.7 | 75.7 | 80.4 | 9 | 73.6 | 9.6 | 2 | 74.4 | 79.4 | 4.1 | 62.6 | 66.7 | 4.1 | 70.9 | 75 |
| SEVIER | 4.2 | 24.1 | 28.3 | 4.4 | 23.7 | 28.1 | 3.4 | 21.3 | 24.7 | 9 | 18.6 | 21.6 | 4.1 | 20.6 | 24.7 |
| SUMMIT | 6.0 | 15.6 | 16.5 | 1.5 | 16.5 | 18 | 1.5 | 16.8 | 18.3 | 1.3 | 13.2 | 14.5 | - | 12.8 | 13.8 |
| TOOELE | 2.9 | 8.7 | 11.6 | 3.1 | 9.1 | 12.2 | 3 | 8.7 | 11.7 | 2.3 | 7.2 | 9.5 | 3.2 | 6.7 | 6.6 |
| UINTAH | 3,9 | 20.2 | 24.1 | 4.1 | 19.8 | . 23.9 | 3.9 | 16.9 | 20.8 | 3.1 | 14.9 | 18 | 33 | 12.6 | 15.6 |
| UTAH | 22.5 | 56.5 | 62 | 26.1 | 55.7 | 81.8 | 22.5 | 54.9 | 77.4 | 18.3 | 48.9 | 67.2 | 18 | 45.7 | 63.8 |
| WASATCH | 1.3 | 6.6 | 11.2 | 1.4 | 9.5 | 10.9 | 1.4 | 8.6 | 10 | 1.1 | 8.6 | 1.6 | 6.0 | 8.3 | 9.3 |
| WASHINGTON | 9 | 7.6 | 13.6 | 5.8 | 7.6 | 13.4 | 5.4 | 6.7 | 12.1 | 4.2 | 9 | 10.2 | 3.6 | 5.3 | 8.3 |
| WAYNE | 1.5 | 8.6 | 10.1 | 1.6 | 9.1 | 10.7 | 1.3 | 7.9 | 9.2 | _ | 9.9 | 9.7 | 1:1 | 6.1 | 7.2 |
| WEBER | 9:9 | 25.4 | 32 | 8.9 | 24.2 | 31 | 5.9 | 23.3 | 29.2 | 4.1 | 21.2 | 25.3 | 3.3 | 50 | 23.3 |
| TOTAL | 178.7 | 576.1 | 754.8 | 188.2 | 567.1 | 755.3 | 173 | 528.3 | 701.3 | 133.9 | 465.7 | 599.6 | 133.8 | 442 | 575.8 |
| | | | | | | | | | | | | | | | |

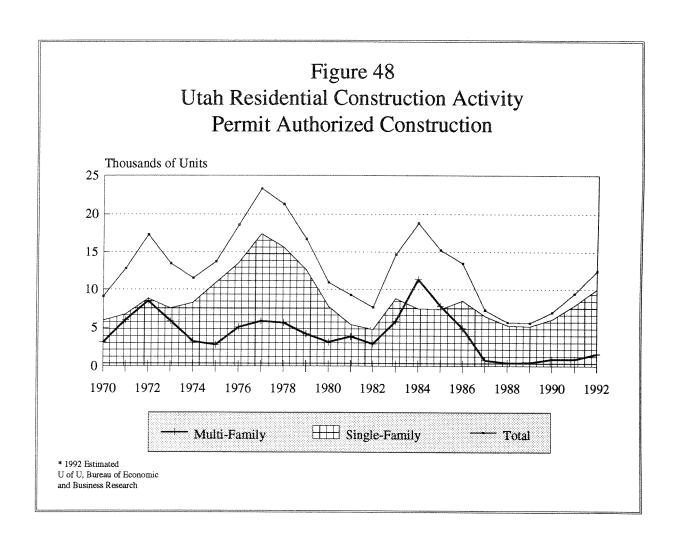
Source: Utah Agricultural Statistics.

CONSTRUCTION ACTIVITY

Residential Construction

Residential construction activity grew impressively in 1992. Single-family home construction continued to be the mainstay of residential construction growth while multifamily construction, after five years of negligible growth, began to rebound. A total of 12,450 units are estimated to be authorized in 1992, an increase of 31.9 percent over 1991 figures. The dollar value of residential construction expanded 32.7 percent to \$1.05 billion, the first time residential construction values have exceeded \$1 billion in a single year.

Several factors combined to stimulate the recovery of Utah's construction industry in 1992. Low and stable mortgage interest rates, population growth enhanced by net in-migration, and the shrinking supply of existing structures for sale or rent in the marketplace have created a housing market where demand for housing outpaces supply, which in turn creates lower vacancy rates and increases prices. These factors have resulted in a significant increase in the demand for housing, particularly along the Wasatch Front, and will remain strong in 1993, providing further expansion and growth for the construction industry.



¹ Through the first three quarters of 1992 (January-September) a total of 9,999 units were authorized. The estimation is an additional 2,451 units will be added to this figure during the fourth quarter of 1992 (October-December).

The previously-mentioned factors will continue to positively influence construction activity in 1993, particularly for single-family dwellings. Total dwelling units should increase to 14,900 units in 1993. Single-family structures will account for 11,000 of the total residential construction units while multifamily structures will jump to 3,000 units and mobile homes and cabins should add an additional 900 units.

Multifamily construction, which plummeted in prior years when vacancy rates were high, and credit was tight, is poised to expand in 1993. Economic growth has increased the demand for multifamily structures and the low vacancy rates in metropolitan Utah will spur increased development in 1993. The growth in 1992 was concentrated around colleges, universities, and recreation areas near Provo-Orem, Logan and Park City. These areas should continue to build structures as demand is high and vacancy rates are extremely low. In addition, expanded growth is likely in the Salt Lake County, Davis County and Weber County which also have strong demand and low vacancy rates. Residential construction activity from 1970 to 1992 is presented in Table 45 and Figure 47.

Nonresidential Construction

Nonresidential construction activity increased in 1992 at a rate lower than residential construction. Nonresidential construction increased 11.0 percent to \$380 million (Figure 48 and Table 46). The \$42 million industrial plant in Iron County and the \$20 million LDS Temple in Davis County were major factors in the rise in nonresidential activity. The outlook for 1993 is brighter because of the Kennecott Smelter project and an improved climate for the construction of industrial and retail buildings as the economy expands. Nonresidential construction values are projected to be \$430 million in 1993.

The value of new construction for offices, banks, and other professional buildings improved from \$28 million in 1991 to \$50 million in 1992. Because of these new office buildings, vacancy rates for Class A office space decreased slightly to 16.6 percent. Vacancy rates for Class B office space decreased to 20.6 percent. Industrial buildings valuation increased 159.4 percent to \$120 million. This increase is primarily due to the \$42.million American Pacific industrial facility in Iron County. The greatest improvement in nonresidential construction values, in relative terms, occurred in rural Utah during 1992. Vacancy rates for industrial buildings have decreased to 7.6 percent. Recent trends indicate that there is no appreciable inventory of industrial space available as vacancy rates continue to decrease.

Office buildings, industrial buildings, religious buildings and hotels and motels experienced improvement. Hotels and motels increased 312.7 percent to \$15.0 million. Increased recreation and tourism in Utah has spurred development of these properties.

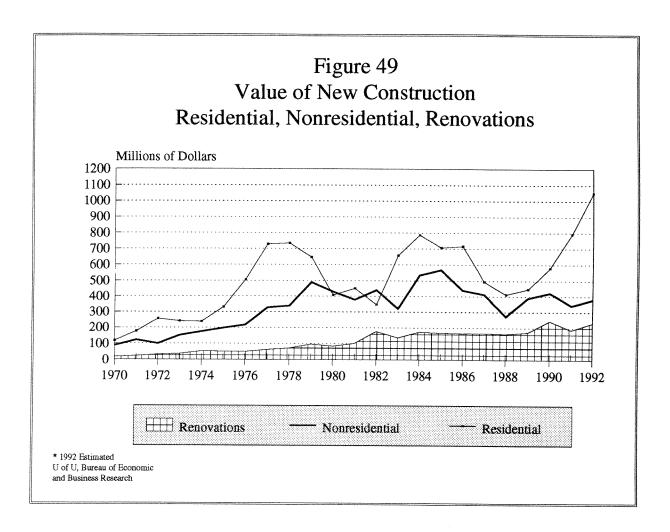
Retail establishments, public construction and other buildings (parking garages, service stations, hospitals, schools, and agricultural buildings) showed decreases in valuation. Nonresidential construction should expand more in 1993 because of major projects on the horizon, lower vacancy rates for industrial buildings, and the probability that the economy in metropolitan Utah will improve in 1993.

Additions, Alterations, and Repairs

Additions, alterations and repairs increased 23.0 percent to \$230 million in 1992. Continued economic growth, strong demand for housing and low interest rates have spurred renovations for both residential and nonresidential structures. This trend should continue in 1993 with additions, alterations and repairs increasing to a projected \$240 million.

Total Construction Activity

The value of total permit authorized construction increased 25.7 percent from \$1.32 billion in 1991 to \$1.66 billion in 1992. With increased construction activity forecast for residential, nonresidential and additions, alterations and repairs the value of total construction is projected to rise to \$1.97 billion in 1993.



Nonbuilding Construction

Nonbuilding construction is an important contributor to Utah's construction industry. Major projects such as highways, bridges, dams and power plants are included in this category. Most of these construction activities do not require a permit so data are not readily available. Nonbuilding construction values were obtained by telephone interviews with personnel from the Utah Department of Transportation, Utah Department of Water Resources, Utah Facilities Management and Construction, and the Bureau of Reclamation.

The total value of nonbuilding construction for 1992 was approximately \$430 million. This figure is based primarily on increased highway construction spending for the West Valley Highway. Nonbuilding construction should increase in 1993 as highway construction increases and because funding was recently passed for the final phase of the Central Utah Project. The long term prospects are for increased activity associated with the Central Utah Project, the possibility of increased infrastructure improvements under the new administration, and increased demand for water, sewer and power as Utah's economy and population continue to grow.

Table 45
Construction Activity in Utah

| Year | Single Family Units | Multi- Family Units | Total Units | Value of Residential Construction (Millions) | Value of Nonresidential Construction (Millions) |
|----------|---------------------------------------|---------------------------|----------------|---|--|
| | · · · · · · · · · · · · · · · · · · · | | | | |
| 1970 | 5,962 | 3,108 | 9,070 | \$117.0 | \$87.3 |
| 1971 | 6,768 | 6,009 | 12,777 | \$176.8 | \$121.6 |
| 1972 | 8,807 | 8,513 | 17,320 | \$256.5 | \$99.0 |
| 1973 | 7,546 | 5,904 | 13,450 | \$240.9 | \$150.3 |
| 1974 | 8,284 | 3,217 | 11,501 | \$237.9 | \$174.2 |
| | , | · | • | | |
| 1975 | 10,912 | 2,800 | 13,712 | \$330.6 | \$196.5 |
| 1976 | 13,546 | 5,075 | 18,621 | \$507.0 | \$216.8 |
| 1977 | 17,424 | 5,856 | 23,280 | \$728.0 | \$327.1 |
| 1978 | 15,618 | 5,646 | 21,264 | \$734.0 | \$338.6 |
| 1979 | 12,570 | 4,179 | 16,749 | \$645.8 | \$490.3 |
| | | | | | |
| 1980 | 7,760 | 3,141 | 10,901 | \$408.3 | \$430.0 |
| 1981 | 5,413 | 3,840 | 9,253 | \$451.5 | \$378.2 |
| 1982 | 4,767 | 2,904 | 7,671 | \$347.6 | \$440.1 |
| 1983 | 8,806 | 5,858 | 14,664 | \$657.8 | \$321.0 |
| 1984 | 7,496 | 11,327 | 18,823 | \$786.7 | \$535.2 |
| | | | | | |
| 1985 | 7,403 | 7,844 | 15,247 | \$706.2 | \$567.7 |
| 1986 | 8,512 | 4,932 | 13,444 | \$715.5 | \$439.9 |
| 1987 | 6,530 | 775 | 7,305 | \$495.2 | \$413.4 |
| 1988 | 5,297 | 418 | 5,715 | \$413.0 | \$272.1 |
| 1989 | 5,179 | 453 | 5,632 | \$447.8 | \$389.6 |
| | | | | | |
| 1990 | 6,099 | 910 | 7,009 | \$579.4 | \$422.9 |
| 1991 (r) | 7,911 | 958 | 9,411 | \$921.0 | \$341.6 |
| 1992 (e) | 10,000 | 1,600 | 12,450 | \$1,050.0 | \$380.0 |
| | | | | | |

⁽r) = revised

Source: University of Utah, David Eccles School of Business, Bureau of Economic and Business Research, November 1992.

⁽e) = estimate

Utah Nonresidential Construction by Sector (Millions of Dollars) Table 46

| Sector | 1988 | 1989 | 1990 | 1991(r) | 1992(e) | Average Percent of Total (a) |
|---|-------------|-------------|-------------|-------------|-------------|------------------------------------|
| Hotels and Motels | \$17.1 | \$6,073.3 | \$8,331.3 | \$3,634.2 | \$15,000.0 | 8.1 |
| Churches and Religious Buildings | 20,909.1 | 23,036.0 | 15,401.7 | 35,846.0 | 39,000.0 | 7.4 |
| Industrial Buildings | 57,906.6 | 65,510.2 | 92,655.1 | 46,266.0 | 120,000.0 | 21.2 |
| Offices, Banks and Professional Buildings | 46,909.0 | 102,310.6 | 47,838.1 | 28,035.3 | 50,000.0 | 15.2 |
| Stores and Other Mercantile Buildings | 49,598.5 | 58,753.5 | 86,717.5 | 71,808.8 | 62,000.0 | 18.2 |
| Publicly Owned Buildings | 24,584.3 | 60,673.9 | 55,003.2 | 29,565.3 | 25,000.0 | 10.8 |
| Other Nonresidential Construction | 72,130.5 | 73,245.3 | 116,999.0 | 127,204.6 | 0.000,69 | 25.4 |
| Total Nomesidential Construction | \$272,055.1 | \$389,602.8 | \$422,945.9 | \$342,360.2 | \$380,000.0 | 100.0 |

(e) = estimate

(r) = revised
(a) Data represents five year average, 1987 to 1992.

Source: University of Utah, David Eccles School of Business, Bureau of Economic and Business Research, November 1992.

DEFENSE / AEROSPACE

Utah's Defense Sector

Defense-related employment and spending peaked in Utah during 1986 when defense spending hit at an all-time high of \$2.5 billion. Since then, Utah's defense sector has been downsizing in response to cutbacks in national defense spending, and a more competitive environment.

Utah's defense sector continues to be almost evenly split between federal defense operations and defense contracting and subcontracting. Less significant components of defense spending in Utah include military retirement payments and grants from the Department of Defense (DoD) to state and local governments. By the end of 1991, defense-related spending in Utah totaled \$1.85 billion; a drop of more than \$39 million from the \$1.89 million reported in 1990. Federal defense spending in Utah has not been so low since 1988 when total expenditures topped \$1.79 billion. Nearly all of the decline is the result of a drop in Prime Contract Awards (PCAs) from \$881.9 million in 1990 to \$802.1 million in 1991; the lowest level since 1985. Table 47 provides federal defense-related spending in Utah from 1985 to 1991. The impact of this reduction is manifested in Utah's defense-related employment base.

In 1990, between 75,500 and 78,300 people were employed as a result of defense spending in Utah. These jobs reflect the direct, indirect and induced employment impacts which result from direct defense-related expenditures. In 1990, defense-related jobs accounted for 9 to 10 percent of all civilian employment. In contrast, by the end of 1991, spending cuts pushed defense-related employment to between 70,470 and 73,100, or roughly 8 to 9 percent of all civilian employment in the state. Given the continuing budget-cutting trend, estimates for 1992 indicate the loss of approximately 3,200 jobs by year's end.

Military Operations

Federal defense operations are primarily concentrated in four military bases, including Hill Air Force Base, Tooele Army Depot, Dugway Proving Grounds, and Ogden Defense Depot. The major component of defense spending derived from these operations are wage and salary payments made to Active Duty Military and Civilian DoD employees. By year-end 1991, employment at military bases in Utah was 25,254, a reduction of 6.5 percent from the previous year. Although none of Utah's military bases has been slated for closure, much uncertainty still exists as to future defense spending levels, and further consolidations are anticipated.

Industrial Sector

The primary component of the Utah's defense-related industrial sector is Prime Contract Awards (PCAs) which represent payments made to contractors and subcontractors who provide DoD with a variety of goods and services. In 1991, PCAs totaled \$802.1 million, a decline of more than \$79.1 million from 1990. Within the industrial sector, defense spending is concentrated in a few counties: Box Elder, Davis, Salt Lake, Tooele and Weber. This level of concentration has remained constant over the past five years with the exception of a substantial increase in expenditures in Tooele County, the result of several large construction projects at Tooele Army Depot and Dugway Proving Grounds. Table 48 shows expenditures by county since 1987.

Utah's defense sector is characterized by a high concentration in the missile program, and underscores this sector's dependence upon large expenditures on the nation's strategic defense systems. Components of two of the country's largest unclassified strategic systems are being manufactured in Utah. In fact, the missile program has been a key factor in Utah's industrial defense base. Prominent players in this growth have been Thiokol Corporation and Hercules Aerospace Company. Both have been downsizing since 1990. Other defense contractors which supply components for the country's strategic defense systems, Boeing, TRW, and Teleflex Defense Systems, have also experienced reductions in overall employment.

Trends in Utah's Defense Sector

Utah has already experienced a significant amount of reduction in its defense sector. Even so, widespread support is still apparent for further reductions in defense spending at all levels. Deeper cuts will continue to erode not only Utah's defense base, but that of every state throughout the nation.

Utah's military bases, which have been especially hard hit over the past two years, will continue to experience further declines as the federal government continues its policy of base consolidation. On the bright side, none of Utah's military bases is scheduled for closure at this time.

Utah's industrial sector will likely experience even further retrenchment. Most of the state's largest defense contractors have been steadily scaling back their work forces since 1990. Given the prevailing sentiment, there is no indication that these decreases will end soon. It is entirely possible that some defense contractors will reevaluate their commitment to defense and will opt to leave the industry altogether. However, on average, three to five years are needed for a defense contractor to successfully reduce the ratio of defense-to-commercial business.

Those contractors who choose to remain in the defense sector will have to streamline and fight even harder for a decreasing number of contracts. Either option has limitations and a high degree of certainty that further employment reductions are forthcoming.

Table 47
Federal Defense-Related Spending in Utah
(Thousands of Dollars)

| Year | Wages and Salaries (a) | Prime Contract Awards | Military Retirement | State/ Local Grants | Total |
|------|---------------------------|-----------------------------|------------------------|---------------------------|-------------|
| 1985 | \$737,548 | \$1,115,879 | \$90,220 | \$695 | \$1,944,342 |
| 1986 | 784,567 | 1,688,947 | 94,612 | 301 | 2,568,427 |
| 1987 | 794,294 | 1,343,924 | 98,743 | 5,766 | 2,242,727 |
| 1988 | 817,787 | 876,681 | 98,876 | 1,318 | 1,794,662 |
| 1989 | 870,295 | 1,010,016 | 108,005 | 10,186 | 1,998,502 |
| 1990 | 890,892 | 881,947 | 115,442 | 1,232 | 1,889,513 |
| 1991 | 922,035 | 802,182 | 125,526 | 598 | 1,850,341 |

⁽a) Does not include fringe benefits.

Source: Wages and Salaries, Military Retirements, State/Local Government Grants:

U.S. Department of Commerce, Bureau of the Census.

Prime Contract Awards: Federal Procurement Data System, U. S. Department of Defense.

Table 48
Department of Defense Contract Awards in Utah by County
(Thousands of Dollars)

| County | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------|-------------|-----------|-------------|-----------|-----------|
| Beaver | \$0 | \$0 | \$0 | \$0 | \$47 |
| Box Elder | 558,619 | 186,480 | 286,668 | 159,787 | 141,986 |
| Cache | 13,281 | 17,535 | 35,659 | 47,643 | 44,248 |
| Carbon | 650 | 7,323 | 4,215 | 0 | 1,010 |
| Davis | 154,528 | 211,153 | 143,119 | 113,247 | 114,041 |
| Duchesne | 98 | 0 | 4,029 | 1,316 | 0 |
| Iron | 0 | 0 | 0 | 0 | 1,787 |
| Juab | 91 | 35 | 0 | 0 | 55 |
| Millard | 0 | 0 | 0 | 0 | 295 |
| Morgan | 62 | 35 | 0 | 0 | 0 |
| Rich | 0 | 56 | 0 | 0 | 0 |
| Salt Lake | 485,428 | 333,418 | 318,662 | 336,058 | 229,134 |
| San Juan | 972 | 794 | 1,410 | 626 | 0 |
| Sanpete | 92 | 0 | 0 | 0 | 0 |
| Sevier | 532 | 357 | 605 | 29 | 0 |
| Summit | 45 | 0 | 1,232 | 655 | 7,223 |
| Tooele | 44,989 | 47,187 | 131,824 | 115,036 | 148,102 |
| Uintah | 135 | 392 | 225 | 0 | 296 |
| Utah | 23,023 | 35,542 | 34,727 | 41,685 | 23,992 |
| Washington | 0 | 489 | 199 | 1,500 | 3,785 |
| Weber | 61,379 | 35,428 | 47,442 | 65,715 | 86,181 |
| Total | \$1,343,924 | \$876,681 | \$1,010,016 | \$881,947 | \$802,182 |

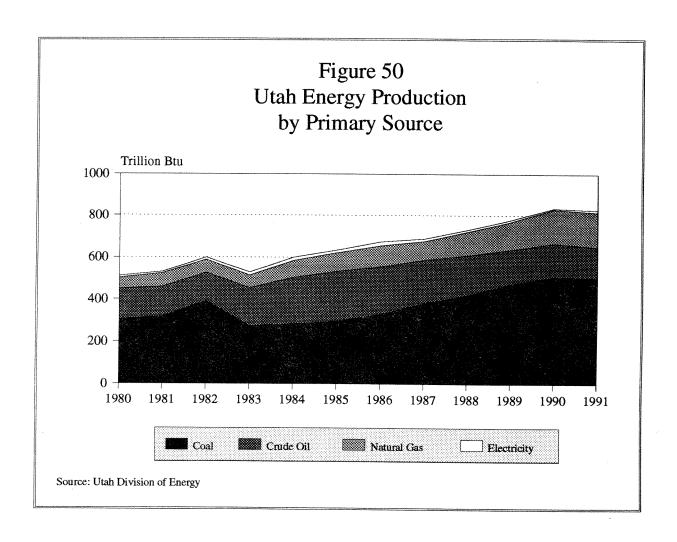
Source: Federal Procurement Data System, Department of Defense.

ENERGY AND MINERALS

Energy Production

Utah's reserves of coal, crude oil, natural gas and uranium have fostered the development of the energy industry. The structure of this industry includes not only the production of primary energy fuels, but also the conversion of these resources into other forms of energy such as petroleum products and electricity. In 1992, Utah's primary energy sectors will produce an estimated 800 trillion BTU of primary energy (Figure 50). This energy will be consumed in Utah, shipped to other states and exported to overseas markets. In 1992, coal will account for 62 percent of Utah's total primary energy production, natural gas production, 21 percent, crude oil, 16 percent and electricity generated from non-fossil fuel resources such as hydro and geothermal energy will make up the remaining 1 percent.

The value of primary energy production in Utah at the point of extraction is estimated to be \$1.19 billion in 1992, a 6 percent decline from 1991. Coal will rank first in value and account for \$469 million, or 40 percent of the total. The value of crude oil and natural gas production is expected to be \$432 million and \$244 million respectively, while electricity generated from non-fossil fuel sources will contribute \$40 million.



Crude Oil

For the past several years, the price for crude oil has been largely determined by whether OPEC adhered to production levels that balanced worldwide demand. This year was no different. Crude oil prices began 1992 substantially lower than the levels of early 1991, when the Persian Gulf War tightened world supplies and drove prices to their highest level in 10 years. Crude oil prices in Utah were \$17.41 per barrel in January and remained near that figure through March. A decision by Saudi Arabia to cut production by 500,000 barrels per day in March led to a tightening of supplies on the world market and helped boost the average price paid for a barrel of Utah crude oil from \$17.63 in March to \$21.38 in June. With OPEC members adhering to production levels that balanced worldwide demand and the U.S. economy experiencing a modest recovery, crude oil prices in Utah stabilized at \$20.00 for the remainder of 1992. For the year, the average wellhead price paid for a barrel of Utah-produced crude oil was \$19.24, a 4 percent decrease from 1991's \$19.99 (Table 49). Similarly, refiner acquisition costs for Utah refineries experienced a modest decrease in 1992, falling from \$20.85 in 1991 to \$20.45 per barrel.

While a federal tax credit for unconventional fuels (tight-sands and coalbed methane) contributed significantly to increased drilling and development of Utah gas reserves, oil well drilling slumped badly in 1992. Relatively stable oil prices, a string of San Juan County drilling successes by Chuska Energy and increased interest in Utah's Paradox Fold with the successful completion of Columbia Gas Company's Kate Springs #1-27 horizontal well in 1991 fueled expectations that 1992 oil drilling activity would equal or exceed 1991. Year-end figures indicate this has not occurred. Oil well completions totaled 55 and accounted for 23 percent of total wells drilled in Utah in 1992 (Table 50). This 31 percent drop from 1991 represented the fifth lowest total of oil wells completed in the last 20 years. Only three counties reported oil well completions in 1992 -- Duchesne, San Juan and Uintah. Duchesne led all counties with almost half of all wells completed in 1992 followed by San Juan County with 26 percent and Uintah County with 24 percent.

Due in large part to this drilling slump, Utah crude oil production will continue a seven-year decline that began in 1986. Production from oil wells in Utah's 150 producing fields will fall to 22.4 million barrels in 1992, an 11 percent decrease from 25.2 million barrels in 1991. Utah remains in 11th place among producing states in the United States. San Juan led all Utah counties with 6.8 million barrels of production. Most of this was exported for processing in New Mexico and Texas refineries. Duchesne County moved into second place with 5.9 million barrels at the expense of Summit County, whose production fell from 6.5 million barrels in 1991 to 5.8 million barrels in 1992. Uintah County was the fourth leading producer with 3.4 million barrels.

Petroleum Products

The production of petroleum products from Utah's five refineries is projected to climb to 47 million barrels in 1992. Utah refineries have been operating near full capacity during the past year. Crude oil inputs into the refineries will reach 49.9 million barrels, increasing refinery utilization rates from 86.6 percent to 88 percent. Table 51 presents data on the supply and disposition of crude oil in Utah. Utah's refineries will produce a record 25.7 million barrels of motor gasoline in response to growing demand in the transportation market. Production of aviation fuels, including jet fuels, will increase over 1991 production levels to 6 million barrels, while middle distillates will decline slightly to 15 million barrels.

An increase in demand for petroleum products combined with a tightening of crude oil supplies in the Western United States and closure of Amoco's Casper Wyoming refinery have led to higher prices for petroleum products throughout the Rocky Mountain supply region. Utah prices have tracked below average prices in the region resulting in increased pressure on supplies of petroleum products in Utah. In several instances, marketers from northern Colorado sent tanker trucks to refineries in Salt Lake City to pick up products, taking advantage of a price differential in excess of nine cents per gallon. Fearing they would run out of supply, some local refineries limited the volume of distillate fuels they allowed the tankers to load. Data on supply and consumption of petroleum products are in Table 52.

Due to falling production in Utah oil fields, Utah refineries continue to increase their dependency on crude oil supplies from Colorado, Wyoming and Nevada. In 1992, Utah's oil-producing basins are projected to supply only 17.1 million barrels of crude oil to Utah's refineries necessitating imports of 33.5 million barrels from other Rocky

Mountain states. This will mark the seventh consecutive year Utah refiners have increased their shipments of crude oil from other states to meet Utah's needs.

Perhaps the most important change in the motor fuel market in 1992 resulted from requirements of the Clean Air Act Amendments of 1990. Oxygenated motor fuels were introduced in Utah County during the third quarter of 1992. Salt Lake, Davis and Weber Counties will be required to use oxygenated motor fuels beginning November 1, 1993. Currently, local refineries are leaning toward blending ethanol due to lower cost. However, at least two Utah refineries have said they intend to use MTBE as their oxygenate. No shortages of oxygenates are anticipated along the Wasatch Front.

Natural Gas

For the second year in a row, the number of completed natural gas wells increased significantly. Although the expiration of the federal non-conventional fuel tax credit on December 31, 1992 is credited for much of this increased drilling activity, other factors have played a role. Because of other states' limits on gas production, expected cold weather and Hurricane Andrew, this year witnessed a reversal in the six-year downtrend in wellhead prices. Also in 1992, the Kearn River pipeline opened, providing Utah gas producers access to California markets. Additional pipeline capacity planned for the Uintah Basin by Questar Corporation and Colorado Interstate Gas Company will provide access to California, Midwest and East Coast markets. Together these factors are responsible for a 46 percent increase in gas well completions, a jump from 92 in 1991 to a projected 134 in 1992. Most of the drilling activity once again focused on the tight-sand formations in the Uintah Basin. Many more gas wells have been spudded but will not be completed until 1993 or later, providing well servicing companies employment opportunities beyond the expiration of the federal tax credit.

Gross natural gas production is projected to be 305,369 million cubic feet in 1992. This represents a 7.3 percent decline from 1991 and will mark the first year since 1983 that gross production of natural gas has fallen. Over 70 percent of gross production will come from the Anschutz Ranch East field in Summit County. Since 1980, on average, 46 percent of gross production has been put on the market with the remainder either reinjected to maintain reservoir pressure or flared. The effect of the rise in market price in 1992 on marketed production will partially offset the effect of the decline in gross production. Marketed production is projected to rise by 1.9 percent to 153,589 million cubic feet. Table 53 presents data on the supply and consumption of natural gas in Utah.

Several factors will affect the market for natural gas in the future. Foremost is federal environment and energy policy. The Energy Policy Act of 1992 and the Clean Air Act Amendments of 1990 both encourage the use of natural gas. However, in order for natural gas to increase market share, the perception that it is an undependable fuel source subject to high price volatility must be overcome. The main competitor for gas will continue to be coal. Not only is coal plentiful at relatively low and stable prices, but new environmental control technology will increase coal's attractiveness as a primary fuel source for utilities and large industrial users. The prevalence of fuel-switching technology will also affect the market penetration of natural gas and will limit the extent of future increases in gas prices. In addition, recent rulings by the Federal Energy Regulatory Commission should make the transportation sector more competitive by allowing producers to sell directly to end users.

Utah's production of natural gas will be affected by these factors as well as by the growth in the California market and the access to gathering and transportation pipelines. The demand for natural gas is expected to significantly increase over the next decade in California because of tightening environmental regulations and enhanced oil recovery projects. The effect of this growth on Utah's production will depend on the access Utah producers have to pipeline capacity and on whether California has access to Canadian natural gas. Added pipeline capacity is planned for the Uintah Basin. Construction of the Altamont pipeline, which would bring Canadian gas through Montana connecting with the Kearn River pipeline, has been postponed for a year. However, Pacific Gas Transmission Company is continuing construction of a pipeline that will bring gas to both California and the Pacific Northwest from British Columbia and Alberta. The ultimate effect on Rocky Mountain prices and on Utah producers will depend on the interplay of future gas demand and supply in the Western United States and Canada.

Coal

In 1992, 12 operators employing 2,216 miners will produce 21,521,000 tons of coal out of 16 operating mines. These numbers indicate that Utah coal production will stabilize at around 22 million tons per year (Table 54), which is the highest production level in the 123-year history of Utah coal production. It also indicates that if productivity continues to increase due to installation of long-wall mining machines, employment in Utah's coal industry will decrease.

During the last decade, Utah coal mines have been the most productive underground coal mines in the entire country. These mines also have been more productive than the majority of states with surface coal mines. In 1991, productivity rose from 37 tons per man day to 44 tons per man day, and in 1992 it will be 45 tons per man day. More than 70 percent of Utah coal production is distributed to the electric utilities in Utah, Nevada and California. During 1992, small amounts were also shipped to some of the Midwestern states.

Three percent of Utah's coal production (or 600,000 tons) is shipped to coke plants (Geneva Steel), and 13 percent (or 2.8 million tons) is shipped to other industrial sectors in California, Utah, Nevada, Washington, Arizona, Wyoming, Minnesota, Idaho and Oregon. Two percent of Utah coal is distributed to residential and commercial sectors, and more than 10 percent is shipped to the Pacific Rim countries of Japan, Taiwan, Korea and Hong Kong.

Utah coal prices have fallen continuously since 1982, but they appear to be stabilizing around \$22 per ton. The value of coal produced in 1990 was \$479 million; in 1991, it was \$472 million; and in 1992 it will be \$469 million.

Electricity

Utah electricity generation in 1992 was 7 percent higher than in 1991, overcoming the drop in annual electricity generation experienced in 1991. At a projected total of 32,372 gigawatthours, 1992 electricity generation is just slightly above that of 1990 (Table 55). In 1991, electricity generation fell to 94 percent of that generated in 1990. This was primarily due to the fact that electricity generation at Utah's Intermountain Power Project (IPP) was displaced by Northwest hydro power sales to Los Angeles Department of Water and Power (LADWP), IPP's biggest customer. Low water conditions in the Northwest in 1992 contributed to LADWP's renewed reliance on coal-fired generation from IPP for this block of electricity.

Electricity generated in 1992 was primarily from coal, hydro, natural gas, geothermal and petroleum. Coal-fired generation continued to account for the majority of Utah electricity generation, contributing about 95 percent or an estimated 30,913 gigawatthours. Despite six years of drought, hydro-generated electricity was up about 6.6 percent in 1992, contributing an estimated total of 643 gigawatthours or 2.0 percent of the total. This increase is primarily due to increased generation at Flaming Gorge Dam, Utah's largest source of hydroelectric power. The 10 to 15 percent expected increase in generation at Flaming Gorge occurred primarily as a result of dam operation changes adopted in 1992 as part of a five-year, multi-agency study to address downstream endangered fish concerns. The contribution of natural gas-fired generation continued to increase as Gatsby Unit 3 completed its first year of full operation. In 1992, natural gas contributed an estimated 606 gigawatthours, increasing from 1.0 to 2.0 percent of the total and up 39 percent from 1991. Output from Utah's geothermal resources is also expected to be up about 6.5 percent contributing an estimated 198 gigawatthours and maintaining a 1.0 percent share of electricity generation. The contribution of petroleum as a source of electricity generation continued to decline, dropping 18 percent from 1991 and contributing an estimated 40 gigawatthours of electricity to the total.

The average retail price of electricity to Utah consumers fell 3.7 percent due to a price decrease authorized for Utah Power by the Public Service Commission. This decrease is the last in a series of merger-related price decreases required by Utah Power in satisfaction of its merger agreement with Pacific Power.

Employment in the electricity industry continued a six-year decline primarily due to the Utah Power/Pacific Power merger. Employment in 1992 dropped by nearly 200 employees from 1991. This decline brings the total drop in employment in this industry to 1,077 employees since its peak in 1986 at 5,262.

Uranium

The national uranium glut continues to dominate market conditions in the United States. In Utah, this market glut has resulted in the shutdown of the only operable uranium mill in the state. The UMETCO uranium mill, located at White Mesa near Blanding, Utah, has been in standby shutdown since autumn of 1990. The mill operator/owner, UMETCO Minerals Corporation, has not been idle during this shutdown. They have spent \$0.5 million on mill improvements and are planning to spend an additional \$2.5 million before a planned 1994 fourth-quarter startup. Because of the mill shutdown, no uranium yellowcake (U_3O_8) has been produced there or any other location in Utah since 1990. The last production, occurring in 1990, was about two million pounds of yellowcake.

The price of uranium has been depressed for nearly a decade due to the uranium market glut. Recent circumstances threaten to further exacerbate this glut. Countries that formerly made up the Soviet Union, now called the Commonwealth on Independent States or CIS, are trying to sell their stockpiles of uranium. This uranium is being offered at low prices and in large quantities which have had a negative effect on Utah's uranium industry. The presence of these supplies of uranium will only increase the worldwide glut. One bright spot is that Utah's Senator Orrin Hatch has obtained an agreement with the CIS to limit export of its uranium to the United States by linking the amount offered to buyers to the U.S. uranium price. If the U.S. price is \$13.50 or less per pound, the CIS will offer only small quantities of its uranium to U.S. buyers. When the price goes up to \$21.00, imports of CIS uranium are limited to 21 million pounds of yellowcake. When the price is greater then \$21.00 a pound, the CIS countries will be allowed to supply U.S. buyers with whatever quantities they are willing to buy.

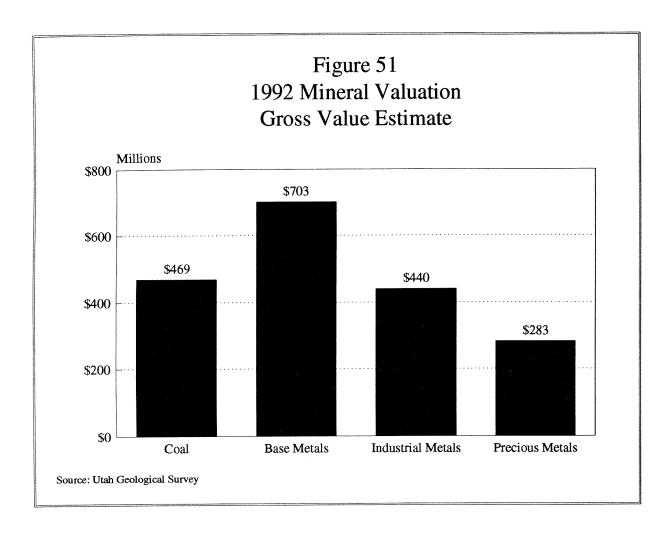
Energy legislation recently passed by Congress contains several provisions important to the uranium industry. Perhaps the most important are the provisions to streamline the Nuclear Power Plant licensing process. If proponents' arguments are correct, these provisions will help revive the ailing nuclear power industry and eventually the uranium industry as well.

Energy Industry Employment

Employment in the four primary energy producing sectors, oil, natural gas, coal and uranium, has fallen precipitously since 1981 (Table 56). From a high of 11,898 in 1981, employment has fallen 40 percent over the course of the past 11 years. Employment directly attributed to energy production in 1992 was 4,708 jobs, paying total wages of \$130 million. These figures represented less than 1 percent of total employment of non-agricultural jobs in the state.

All sectors have experienced substantial decreases in employment since 1982 as reflected in the total energy industry figures. At the height of Utah's oil boom in 1981, 5,915 individuals were employed in exploration and production activities. By the end of 1989, employment in this sector had declined to a decade low of 1,891 - 68 percent of 1981's peak level. Since 1989, employment in this sector has rebounded somewhat, increasing to 2,394 in 1992.

Despite significant annual increases in production since 1983, employment in Utah's coal industry continues to decline. The installation of longwall mining equipment in Utah's coal mines has been the primary reason for the reduction in manpower. Between 1982 and 1992, employment in Utah's coal fields has declined 44 percent to 2,394. Similarly, the uranium industry achieved record levels of production during the 1980s, yet employment through the third quarter of 1992 was only 6.4 percent of that in 1980. With the White Mesa Mill on standby status for all of 1992, as a result of an oversupply of yellowcake on the world market, the employment growth prospects for the uranium industry are expected to remain bleak for the near future.



Minerals

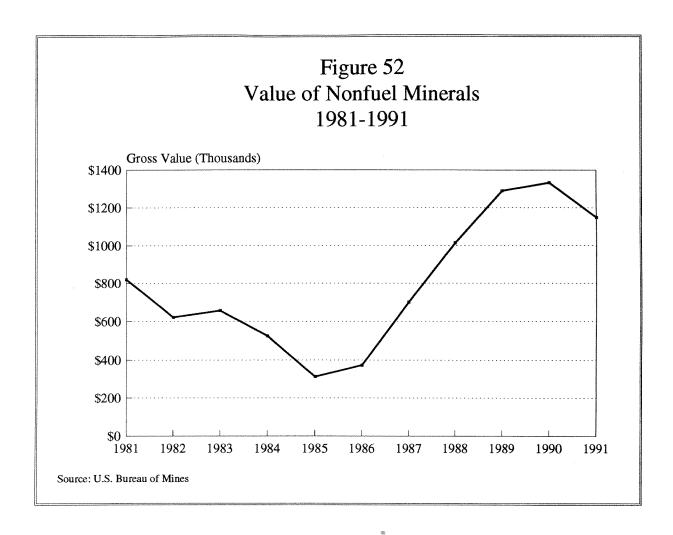
The value of Utah's mineral production in 1992 is estimated at \$1.9 billion, the same level as in 1991. Contributions from each of the major industry segments are projected as follows (Figure 51): base metals \$703 million (37 percent of total); coal \$469 million (25 percent of total); industrial minerals \$440 million (23 percent of total); precious metals \$283 million (15 percent of total).

Coal mining is thoroughly addressed in the previous section. Production values are shown here for comparative purposes only.

Production of coal and precious metals showed a slight decline, while production of industrial minerals and base metals showed an improvement. Commodity prices for base metals, precious metals, and coal showed a decline over 1991 price levels, while prices for industrial minerals, especially magnesium, showed an improvement.

The outlook for 1993 is mixed. Market prices for precious metals, coal, and base metals are expected to remain depressed, while industrial minerals are expected to remain steady or slightly improve.

Through November 1, 1992, the Utah Division of Oil, Gas, and Mining received applications for 46 new Small Mine permits (less than 5 acres disturbance) and three Regular Mine permits (5 acres and larger disturbance). As of November 1, 1992, 65 regular mines and 156 small mines were classified as active operations. In 1991, 103 mines reported production.



In 1991 Utah ranked eighth in the nation in value of nonfuel mineral production. The state ranked first in the production of beryllium, second in the production of potash and magnesium, and third in the production of both copper and gold. Utah ranked fourth in overall metal production and accounted for almost 10 percent of the value of all domestic metal production. From 1981 through 1991 the value of nonfuel mineral production in Utah has increased from \$820 million to \$1.15 billion (Figure 52). In 1990 the value of nonfuel minerals reached an all time high of \$1.33 billion.

Mineral exploration continued its three year decline throughout the state. Notices of Intent filed to November 1, 1992 total 60 compared to 73 for all of 1991, and 92 in all of 1990. Due to the continued weakness in precious metal prices and changes in the holding cost for mineral claims, this pattern is expected to continue for the next several years.

Base Metals and Precious Metals

Copper production from Kennecott's Bingham Canyon Mine increased in 1992 over the 1991 production of 260,000 tons and accounted for nearly half of the value of all metals produced from Utah's mines. Kennecott completed a \$227 million mill expansion program involving construction of a fourth grinding and flotation circuit. This expansion increased milling capacity to 142,000 tons per day and increased copper and by-product capacity by 15 percent. By-products include gold, silver, and molybdenum.

Gold production state-wide in 1992 is estimated at nearly 767,000 Troy ounces, a small (4.6 percent) increase over the 1991 production of 733,000 Troy ounces. The Bingham Canyon Mine was the largest gold producer with over 450,000 Troy ounces as a by-product of copper mining. The largest primary producer was the Barrick Mercur Gold

Mine (estimate 121,000 Troy ounces) located in Tooele County. Other primary producers are, in descending order of production: Kennecott's Barneys Canyon Mine in Salt Lake County, Tenneco Mineral's Goldstrike Mine in Washington County, North Lily Mining Company's leaching operation at Mammoth in Juab County, and Sunshine Mining Company at the Trixie Mine near Eureka, in Utah County. The Trixie Mine was shut down indefinitely in late October and it is not known when or if production will resume.

Silver is produced primarily as a by-product from the Bingham Canyon Mine with lesser amounts from other precious metals producers. The estimate for 1992 production is 4.6 million Troy ounces, an increase of 18 percent over 1991 production of 3.9 million Troy ounces. Utah's only primary silver producing mine (Hecla Mining Company's Escalante mine) was closed in 1990.

Molybdenum production is projected to increase by 33 percent in 1992. All of the production is a by-product from the Bingham Canyon operation. The current price for molybdenum concentrates is extremely low (\$1.98/lb.) and is not expected to rise significantly in the near term.

Brush Wellman, Inc. continued to be the nation's leading producer of beryllium. Ore is produced at its Topaz-Spor Mountain Mine and processed at the company's facility located a few miles north of Delta in Juab County. In 1992 approximately 400,000 pounds of beryllium oxide will be produced at the Delta plant and sent to the company-owned refinery and finishing plant in Ohio. The demand for beryllium is currently depressed due to curtailments in the defense and automobile industries. Foreign markets for beryllium products are also affected by the depressed European economy.

In 1992 Geneva Steel will produce an estimated 550,000 tons of iron ore from its operations west of Cedar City for use in its steel plant at Vineyard. This estimate is a decrease of 35 percent from 1991 production of 850,000 tons. Due to the continued slump in the steel industry, no improvements are forecast for 1993.

Industrial Minerals

Industrial rocks and minerals continued to be an important segment of Utah's mineral industry, comprising 31 percent (\$440 million) of the \$1.4 billion total nonfuel mineral revenue estimate for 1992. Major commodities produced include magnesium metal, Portland cement, sand and gravel, salt, sodium sulfate, magnesium chloride, lime, phosphate, common clay, and gypsum. Commodities produced in lesser amounts include bentonite and fuller's earth, potassium sulfate, building stone, lightweight aggregate, fluorspar, masonry cement, gemstones, and industrial sand.

Magnesium Corporation of America (Magcorp) was the largest contributor in the industrial minerals segment with the production of magnesium metal from its electrolytic plant at Rowley in Tooele County. The 1992 production estimate of 35,000 tons is substantially higher than 1991. Magnesium compounds are derived from brines from the Great Salt Lake. The market price for magnesium metal has stabilized following two years of precipitous declines due to marketing practices by Canadian exporters. The market for magnesium metals is expanding and should show good improvements over the next several years.

Portland cement was the second largest contributor to the value of industrial minerals. Two operators produce Portland cement in Utah: Holnam, Inc. which purchased Ideal Basic Industries and Ash Grove Cement Company, Inc. which purchased Martin Marietta's Leamington cement operation. Holnam's Devils Slide operation is located east of the town of Morgan in Morgan County, and Ash Grove's Leamington plant is located east of Lynndyl in Juab County. The two plants are operating at capacity and should produce over 1 million tons of cement products in 1992 with an estimated value of \$65 million.

Sand and gravel, and crushed stone combined to be the third largest contributor with a production value estimated to exceed the 1991 value of \$48 million.

Limestone usage continues to expand while dolomite production remains steady. Chemstar, Inc. and Continental Lime, Inc. are the two largest commercial suppliers of calcined limestone (quick lime) in the state with a combined capacity of 550,000 tons per year. Both operations are running near capacity and serve markets in Utah and

surrounding states. Chemstar's operation is located near Grantsville in Tooele County. Continental Lime's facility is located in the Cricket Mountains, approximately 35 miles southwest of Delta in Millard County.

In addition to mining iron ore, Geneva Steel produces over 200,000 tons of limestone and dolomite annually from a quarry located near the southeast end of Utah Lake. The limestone is used in the steel plant while the dolomite is processed and marketed for use in underground coal mines as a fire suppressant.

Salt production is estimated to exceed 1.9 million tons in 1992 for a total dollar value of over \$75 million. Most of this production comes from companies operating around the Great Salt Lake. A new operation, Crystal Peak Minerals, is producing a small amount of salt from subsurface Sevier Lake brines in Millard County. Salt production state-wide has grown over 80 percent since 1988.

In addition to salt (sodium chloride), sodium sulfate, magnesium chloride, and potassium sulfate are produced from Great Salt Lake brines. Great Salt Lake (GSL) Minerals, one of the largest operators on the lake, is the largest domestic supplier of sodium sulfate, a fertilizer which is marketed primarily to Pacific Rim countries as well as Kentucky and North Carolina. GSL has doubled its pond acreage (40,000 acres) over the past two years and will produce over 1 million tons of brine products in 1992. The majority of their production is in the form of industrial salt products and potassium sulphate.

Potash production is estimated at 80,000 tons in 1992. Steady increases in the market and pricing are being forecast for 1993. Two companies produce potash in Utah: Reilly Wendover, Inc. from subsurface brines near Wendover and Moab Salt Company from solution mining of a sylvite bed near Moab.

Utah's only phosphate operation (FS Industries' Little Brush Creek mine) is located 11 miles north of Vernal in Uintah County. FS Industries is a partnership comprised of Farmland Industries of Kansas City, Missouri and J. R. Simplot of Boise, Idaho. Approximately 2.4 million tons of ore are processed into 860,000 tons of slurry concentrate and transported to the company's Rock Springs, Wyoming fertilizer plant via a 90-mile underground pipeline. Although fertilizer prices are at a 30-year low, the mine will continue to operate at the same level due to its unique situation as a captive operation. The value of the phosphate concentrate produced in 1992 is approximately \$27 million.

Gypsum production remained steady in 1992. The two major producers are Georgia Pacific Corporation and United States Gypsum. Both companies have wall board manufacturing facilities located near Sigurd in Millard County. Several independent operators supply raw gypsum to these two plants as well as to regional cement companies where it is used as an additive to retard the setting time of cement.

The continued depressed market for uranium resulted in no production for 1992. The only processing facility in the state (UMETCO's White Mesa mill) remained idle during the year.

Several significant changes have taken place in the industrial minerals industry over the last two years. Chevron Oil Company sold its Little Brush Creek phosphate mine, plant, and slurry line to FS Industries Ltd. Chevron also sold its American Gilsonite Company to Stratford Enterprises Company of Tulsa, Oklahoma. American Gilsonite Company operates the Bonanza gilsonite mine at Bonanza, Uintah County. Chevron is no longer active in Utah's mining industry.

In 1991 Kennecott acquired Morton Salt Company's Saltair facility on the Great Salt Lake. Morton moved its operation to a site near Grantsville which was previously owned by North American Salt. North American then moved its operation to the recently expanded GSL Minerals operation located on the north end of the lake west of Ogden. Both North American and GSL are owned by G. Harris Associates.

Table 49 Utah Energy Prices

| Coal Crude Oil Natural Gas (Tons) (Barrels) (MCF) 1980 \$25.63 \$19.79 \$1.86 1981 \$26.87 \$34.14 \$1.87 1982 \$29.42 \$30.50 \$2.47 1983 \$28.32 \$28.12 \$2.47 1984 \$29.20 \$27.21 \$3.16 1985 \$27.69 \$23.98 \$3.23 1986 \$27.64 \$13.33 \$2.90 1987 \$25.67 \$17.22 \$1.82 1988 \$22.85 \$14.24 \$1.70 1989 \$22.00 \$18.63 \$1.58 | | Electricity (Kwh) | No. 2 Distillate (Gallons) | Petroleum Products Motor Fuel (Gallons) | Aviotion Final | |
|---|-----------|----------------------|-------------------------------|---|----------------|----------------------|
| Coal Crude Oil (Tons) (Barrels) \$25.63 \$19.79 \$26.87 \$34.14 \$29.42 \$30.50 \$28.12 \$29.20 \$27.21 \$27.69 \$23.98 \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 \$32.20 \$18.63 | | Electricity (Kwh) | No. 2 Distillate (Gallons) | Motor Fuel (Gallons) | Avistion Final | |
| \$25.63 \$19.79 \$26.87 \$34.14 \$29.42 \$30.50 \$28.32 \$28.12 \$29.20 \$27.21 \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 | | | | | (Gallons) | Natural Gas (MCF) |
| \$26.87 \$34.14 \$29.42 \$30.50 \$28.32 \$28.12 \$29.20 \$27.21 \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 | | \$0.045 | ; | 1 1 | ; | \$3.12 |
| \$29.42 \$30.50 \$28.32 \$28.12 \$29.20 \$27.21 \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 | | \$0.049 | ; | ; | ; | \$3.43 |
| \$28.32 \$28.12 \$29.20 \$27.21 \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 | | \$0.055 | ; | ł | 1 | \$3.10 |
| \$29.20 \$27.21 \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 | | \$0.059 | \$0.832 | \$0.864 | 1 | \$3.91 |
| \$27.69 \$23.98 \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 \$22.00 \$18.63 | | \$0.061 | \$0.851 | \$0.819 | ; | \$4.83 |
| \$27.64 \$13.33 \$25.67 \$17.22 \$22.85 \$14.24 \$22.00 \$18.63 | | \$0.065 | \$0.796 | \$0.814 | \$0.844 | \$4.40 |
| \$25.67 \$17.22 \$22.85 \$14.24 \$22.00 \$18.63 | 331.33 | \$0.067 | \$0.497 | \$0.529 | \$0.547 | \$4.27 |
| \$22.85 \$14.24 \$22.00 \$18.63 | | \$0.065 | \$0.631 | \$0.580 | \$0.565 | \$4.58 |
| \$22.00 | | \$0.063 | \$0.524 | \$0.562 | \$0.533 | \$4.27 |
| 001013 001113 | | \$0.058 | \$0.632 | \$0.654 | \$0.631 | \$4.33 |
| \$21.78 \$22.61 | | \$0.056 | \$0.733 | \$0.750 | \$0.796 | \$4.52 |
| \$19.99 | \$26.20 | \$0.054 | \$0.653 | \$0.681 | \$0.767 | \$4.50 |
| 1992 \$21.81 \$19.24 \$1.59 | 9 \$26.51 | \$0.052 | \$0.656 | \$0.698 | \$0.724 | \$4.67 |

Source: Utah Division of Energy, Energy Data Information System.

Table 50
Oil and Natural Gas Development in Utah

| | | | | Wells C | Completed | |
|----------|---------------------|-------------------------------|-----|---------|-----------|-------|
| | Drilling Permits | Average Active Rotary Rigs | Oil | Gas | Dry | Total |
| | | | | | | |
| 1980 | 523 | 43 | 71 | 99 | 140 | 310 |
| 1981 | 678 | 68 | 199 | 168 | 205 | 572 |
| 1982 | 664 | 41 | 172 | 136 | 156 | 464 |
| 1983 | 588 | 36 | 167 | 110 | 150 | 427 |
| 1984 | 622 | 46 | 228 | 80 | 141 | 449 |
| 1985 | 392 | 28 | 201 | 71 | 102 | 374 |
| 1986 | 219 | 13 | 109 | 53 | 57 | 219 |
| 1987 | 195 | 8 | 55 | 24 | 46 | 125 |
| 1988 | 165 | 6 | 62 | 27 | 44 | 133 |
| 1989 | 97 | 5 | 44 | 16 | 23 | 83 |
| 1990 | 253 | 5 | 49 | 16 | 28 | 93 |
| 1991 | 400 | 11 | 80 | 92 | 37 | 209 |
| 1992 (e) | 349 | 14 | 55 | 134 | 51 | 240 |

(e) = estimate

Source: Utah Division of Energy, Energy Data Information System.

Table 51
Supply and Disposition of Crude Oil in Utah
(Thousand Barrels)

| | Su | pply | | Disposit | ion | |
|----------|---------------------|---------|-----------------------|----------------------|--------------------|--------------------|
| | Field Production | Imports | Utah Crude Exports | Refinery Receipts | Refinery Inputs | Refinery Stocks |
| 1980 | 24,979 | 28,769 | 8,232 | 45,516 | 45,599 | 757 |
| 1981 | 24,309 | 27,257 | 7,866 | 43,700 | 42,673 | 762 |
| 1982 | 23,595 | 25,477 | 7,826 | 41,246 | 40,368 | 614 |
| 1983 | 31,045 | 20,886 | 8,316 | 43,615 | 43,185 | 632 |
| 1984 | 38,054 | 19,234 | 13,616 | 43,672 | 43,746 | 607 |
| 1985 | 40,971 | 19,175 | 14,597 | 45,549 | 45,021 | 556 |
| 1986 | 39,172 | 21,681 | 15,721 | 45,132 | 45,034 | 588 |
| 1987 | 35,788 | 22,013 | 12,137 | 45,664 | 44,483 | 603 |
| 1988 | 33,018 | 24,275 | 8,411 | 48,882 | 47,618 | 593 |
| 1989 | 28,425 | 24,529 | 6,179 | 46,775 | 46,767 | 524 |
| 1990 | 27,604 | 29,225 | 7,725 | 49,104 | 48,985 | 658 |
| 1991 | 25,227 | 33,140 | 8,961 | 48,647 | 48,852 | 497 |
| 1992 (e) | 22,448 | 35,263 | 7,018 | 49,889 | 49,804 | 565 |

(e) Estimate

Table 52 Supply and Consumption of Petroleum Products in Utah (Thousand Gallons)

| | | Supply | | | | Consumption by End-Use | y End-Use | | |
|----------|--------------------|---------|--------------------|---------------|------------------|------------------------|-----------|-----------|-----------|
| | Refined in Utah | Imports | Refinery Stocks | Motor Fuel | Aviation Fuel | Distillates | Other | Total | Exports |
| | | | | | | | | , | |
| | 1,694,260 | 313,903 | 93,954 | 652,428 | 116,592 | 357,126 | 390,600 | 1,516,746 | 929,710 |
| | 1,617,812 | 367,721 | 89,754 | 653,016 | 107,688 | 304,626 | 232,890 | 1,298,220 | 992,451 |
| | 1,508,690 | 434,236 | 92,778 | 908'899 | 120,834 | 278,460 | 227,430 | 1,290,030 | 929,006 |
| | 1,790,822 | 340,139 | 77,746 | 670,068 | 142,254 | 270,690 | 278,670 | 1,361,682 | 1,062,499 |
| 1984 | 1,651,342 | 422,376 | 83,244 | 678,342 | 146,622 | 291,606 | 268,338 | 1,384,908 | 1,013,079 |
| | 1,765,248 | 394,479 | 80,430 | 681,912 | 163,884 | 251,034 | 251,874 | 1,348,704 | 981,323 |
| | 1,776,367 | 337,091 | 78,246 | 736,722 | 186,690 | 307,944 | 234,570 | 1,465,926 | 839,288 |
| | 1,797,929 | 349,466 | 66,402 | 749,784 | 212,856 | 285,222 | 245,532 | 1,493,394 | 870,198 |
| | 1,918,644 | 361,879 | 75,936 | 763,224 | 213,738 | 308,658 | 244,692 | 1,530,312 | 979,726 |
| | 1,913,310 | 393,766 | 91,980 | 726,726 | 218,442 | 259,728 | 277,452 | 1,482,348 | 937,692 |
| | 1,929,270 | 503,917 | 72,786 | 698,376 | 226,254 | 308,784 | 254,562 | 1,487,976 | 1,069,984 |
| | 1,894,201 | 477,078 | 68,576 | 749,824 | 223,990 | 313,983 | 265,312 | 1,553,109 | 1,104,054 |
| 1992 (e) | 1,958,237 | 493.134 | 866.79 | 763.711 | 228,313 | 312.630 | 268.785 | 1.573.440 | 1.196.875 |

(e) Estimate

Source: Utah Division of Energy, Energy Data Information System.

Table 53
Supply and Consumption of Natural Gas in Utah
(Million Cubic Feet)

| | S | Supply | | _ | Consumption by End-Use | 3nd-Use | | |
|----------|---------------------|----------|-------------|------------|------------------------|-----------|-------------------|---------|
| | Gross Production | Marketed | Residential | Commercial | Industrial | Utilities | Electric Other | Total |
| | | | | | | | | |
| 1980 | 87,766 | 47,857 | 42,949 | 22,503 | 38,386 | 4,758 | 8,445 | 117,041 |
| 1981 | 90,936 | 58,865 | 40,589 | 21,753 | 35,568 | 2,732 | 1,231 | 101,873 |
| 1982 | 100,628 | 56,367 | 53,003 | 27,798 | 34,574 | 2,573 | 7,091 | 125,039 |
| 1983 | 96,933 | 54,700 | 42,813 | 23,640 | 29,632 | 740 | 5,756 | 102,581 |
| 1984 | 183,062 | 73,154 | 47,719 | 27,023 | 31,606 | 576 | 9,390 | 116,314 |
| 1985 | 210,019 | 80,122 | 44,884 | 25,120 | 27,072 | 657 | 10,202 | 107,935 |
| 1986 | 238,388 | 90,013 | 47,199 | 25,434 | 21,589 | 704 | 14,391 | 109,317 |
| 1987 | 262,282 | 79,597 | 40,597 | 21,685 | 16,914 | 556 | 18,493 | 98,245 |
| 1988 | 277,566 | 101,028 | 43,356 | 20,672 | 25,310 | 537 | 18,251 | 108,126 |
| 1989 | 277,811 | 129,089 | 45,438 | 20,537 | 29,032 | 758 | 17,248 | 113,013 |
| 1990 | 321,634 | 145,875 | 43,408 | 20,660 | 31,094 | 516 | 20,594 | 116,272 |
| 1991 | 329,533 | 140,170 | 51,928 | 27,695 | 33,795 | 4,636 | 14,602 | 132,656 |
| 1992 (e) | 305,369 | 158,589 | 44,910 | 24,049 | 37,512 | 6,391 | 13,992 | 126,854 |
| | | | | | | | | |

(e) = estimate

Source: Utah Division of Energy, Energy Data Information System.

Table 54
Supply and Consumption of Coal in Utah
(Thousand Short Tons)

| | | Supply | | | Consumptic | Consumption by End-Use | | |
|--|--|--|---------|--|----------------|------------------------|-----------------------|--------|
| | Utah Production | Imports | Exports | Residential & Commercial | Coke Plants | Industrial | Electric Utilities | Total |
| with the characteristic and the consequences are conseq | PROPERTY OF THE PROPERTY OF TH | Na Andria de la compression de la comp | | inister de compression de seus | | | | |
| 1980 | 13,236 | 1,215 | 6,728 | 237 | 1,528 | 446 | 4,895 | 7,106 |
| 1981 | 13,808 | 1,136 | 8,764 | 196 | 1,567 | 714 | 4,956 | 7,432 |
| 1982 | 16,912 | 197 | 8,261 | 177 | 841 | 822 | 4,947 | 6,787 |
| 1983 | 11,829 | 937 | 6,133 | 191 | 839 | 629 | 5,223 | 6,882 |
| 1984 | 12,259 | 1,539 | 6,432 | 259 | 1,386 | 548 | 5,712 | 7,905 |
| 1985 | 12,831 | 1,580 | 6,549 | 252 | 1,288 | 438 | 6,325 | 8,303 |
| 1986 | 14,269 | 1,145 | 5,366 | 191 | 814 | 351 | 6,756 | 8,112 |
| 1987 | 16,521 | 1,165 | 5,633 | 123 | 231 | 276 | 11,175 | 11,806 |
| 1988 | 18,164 | 2,448 | 5,925 | 196 | 1,184 | 589 | 12,544 | 14,513 |
| 1989 | 20,517 | 2,367 | 7,283 | 231 | 1,178 | 989 | 12,949 | 15,044 |
| 1990 | 22,012 | 2,137 | 7,467 | 181 | 1,318 | 929 | 13,563 | 15,738 |
| 1991 | 21,875 | 2,007 | 7,954 | 320 | 1,310 | 624 | 13,472 | 15,726 |
| 1992 (e) | 21,521 | 2,220 | 8,509 | 201 | 1,335 | 663 | 12,988 | 15,217 |
| | | | | | | | | |

(e) = estimate

Source: Utah Division of Energy, Energy Data Information System

Table 55
Supply and Consumption of Electricity in Utah (Gigawatthours)

| | | Supply | | | Consumpti | Consumption by End-Use | | |
|----------|----------------|-----------|--------|-------------|------------|------------------------|-------|--------|
| | Fossil Fuel | Renewable | Total | Residential | Commercial | Industrial | Other | Total |
| | | | | | | | | |
| 1980 | 11,291 | 823 | 12,114 | 3,293 | 3,569 | 3,800 | 512 | 11.174 |
| 1981 | 11,139 | 623 | 11,762 | 3,476 | 3,909 | 3.930 | 530 | 11.845 |
| 1982 | 10,867 | 1,024 | 11,891 | 3,630 | 3,033 | 4,610 | 745 | 12.018 |
| 1983 | 11,030 | 1,394 | 12,424 | 3,678 | 3,375 | 4,786 | 692 | 12.608 |
| 1984 | 12,359 | 1,429 | 13,788 | 3,825 | 3,935 | 4.656 | 950 | 13.366 |
| 1985 | 14,283 | 1,128 | 15,411 | 3,996 | 4.272 | 4.663 | 658 | 13 589 |
| 1986 | 15,235 | 1,584 | 16,819 | 3,984 | 4,262 | 4.583 | 662 | 13.491 |
| 1987 | 25,326 | 1,020 | 26,346 | 3,991 | 4,127 | 4.570 | 784 | 13.472 |
| 1988 | 28,870 | 191 | 29,637 | 4,186 | 4,356 | 5.259 | 292 | 14.566 |
| 1989 | 29,761 | 735 | 30,496 | 4,134 | 4,365 | 5.622 | 782 | 14.902 |
| 1990 | 31,622 | 638 | 32,260 | 4,188 | 4,713 | 5,553 | 772 | 15.225 |
| 1991 | 29,371 | 789 | 30,160 | 4,449 | 4,986 | 5,676 | 722 | 15,833 |
| 1992 (e) | 31,531 | 841 | 32,372 | 4,363 | 5,131 | 6,004 | 229 | 16.165 |

(e) Estimate

Source: Utah Division of Energy, Energy Data Information System.

Table 56 Energy Employment in Utah

| | Uranium | Coal | Petroleum Production | Petroleum Refineries | Petroleum Distribution | Electricity | Natural Gas Distribution | Total |
|------|---------|-------|-------------------------|-------------------------|---------------------------|-------------|-----------------------------|--------|
| | | | | | | | | |
| 1980 | 1,532 | 4,536 | 4,519 | 879 | 2,075 | 3,777 | 2,863 | 20,181 |
| 1981 | 1,471 | 4,512 | 5,915 | 626 | 4,720 | 3,948 | 2,769 | 24,274 |
| 1982 | 1,113 | 5,063 | 5,401 | 875 | 2,302 | 4,163 | 2,960 | 21,877 |
| 1983 | 744 | 3,148 | 4,493 | 859 | 2,236 | 4,249 | 2,992 | 18,721 |
| 1984 | 376 | 2,784 | 3,962 | 811 | 1,952 | 4,736 | 2,809 | 17,430 |
| 1985 | 281 | 2,858 | 3,845 | 816 | 1,997 | 5,031 | 2,451 | 17,278 |
| 1986 | 353 | 2,770 | 2,426 | 794 | 1,933 | 5,262 | 2,360 | 15,898 |
| 1987 | 344 | 2,577 | 1,903 | 778 | 1,677 | 5,046 | 2,308 | 14,633 |
| 1988 | 290 | 2,575 | 2,023 | 788 | 1,418 | 4,687 | 2,279 | 14,000 |
| 1989 | 261 | 2,506 | 1,891 | 826 | 1,452 | 4,592 | 2,233 | 13,761 |
| 1990 | 235 | 2,535 | 2,138 | 897 | 1,371 | 4,452 | 2,238 | 13,866 |
| 1991 | 96 | 2,265 | 2,451 | 905 | 1,390 | 4,386 | 2,243 | 13,736 |
| 1992 | 86 | 2,216 | 2,394 | 844 | 1,379 | 4,185 | 2,213 | 13,330 |
| | | | | | | | | |

Source: Utah Division of Energy, Energy Data Information System.

INFORMATION TECHNOLOGY

The information technology industry includes those industries that produce or provide computer-related or telecommunications-related products or services. Utah's information technology industry is an important component of the state's economy and can be better understood by examining data for this complex industry.

Information is crucial in an advanced economy such as the United States' economy. An important, perhaps defining, feature of such economies is that the amount of information expands at an increasing rate. This fact has implications for all facets of society. Because there is more available, and more that is relevant, the means to absorb ever increasing amounts of information must be developed. This is why economies that develop strong information technology industries will thrive, which, in turn, is why understanding information technology is important.

Definition

Defining the information technology sector is difficult. The U.S. Office of Management and Budget (OMB), which oversees the nation's industrial classification and publishes the *Standard Industrial Classification Manual*, does not use the Standard Industrial Classification (SIC) to define an information technology sector. The reason is that the activities characterizing a given information technology establishment do not always correspond to the general definition of the SIC code in which the establishment is classified. For example, a contractor installing telecommunications equipment might be considered part of the information technology industry. Although such a contractor is classified in SIC 1731, electrical work, not all electrical work is related to information technology. From OMB's perspective, anomalies like electrical work are too numerous to allow the accurate classification of an information technology industry. Nonetheless, information technology exists, and is produced by the information technology industry. Using SIC industries which appear to be information technology oriented, this chapter examines the characteristics of this industry in Utah, reporting employment, wages and number of firms for the state as a whole and by county.

Utah Information Technologies Association

Recognizing the importance of information technology to Utah, individuals from a wide spectrum of industry, government, and academia formed the Utah Information Technologies Association (UITA) during 1991. UITA defines the industry to include "enterprises which produce or provide computer-related or telecommunications-related products or services, and which are headquartered or operate in Utah." Using this definition, establishments distributing information technology, which are included in wholesale and retail trade, are also included. In contrast, however, firms using information technology to market their product, which include telemarketing enterprises such as Matrixx Marketing, and credit card payment centers such as Discover Card and American Express, are not included. Though these establishments could not operate without information technology, because they use it, rather than produce or provide it, they are not considered part of the industry.

In its *Utah Information Technologies Industry: 1992 Industry Directory*, UITA estimates state-wide Information Technology employment to have been 55,000 during the fourth quarter of 1991. Although the time periods are different, the primary reason for the discrepancy between UITA's employment estimate and the estimate presented in this chapter is methodological. An estimate based on the SIC, which requires the majority of employment in an SIC industry to be information technology related before the industry is categorized as information technology, will likely underestimate employment. While 30 SIC industries have been included, information technology enterprises operate in at least 60 SIC industries. Using the SIC may slightly overestimate employment in some of the industries which are included, but this method does not count any of the employment in the industries which are excluded from information technology. On balance, then, the estimates of employment and total wages presented in this chapter will probably be low.

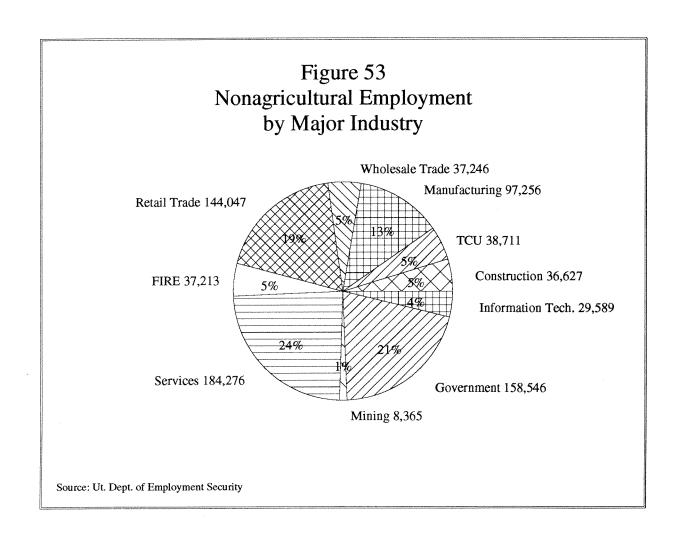
Number of Firms, Employment, Wages

Notwithstanding the problems associated with using the SIC to define information technology, Table 57 presents the list of SIC industries, and the number of firms, employment and total payroll wages in the industry during the second

quarter of 1992. The SIC industries are more suggestive, rather than definitive, of information technology. In Utah, though perhaps not elsewhere, the majority of employment in each of the 30 SIC industries listed in Table 57 appears to be at information technology firms. The number of firms and employment are as reported to the Department of Employment Security for the month of June, but wages are as reported for the entire second quarter. The average annual wage, therefore, is annualized based on June employment and second quarter wages.

While the 1,218 information technology firms comprised 2.7 percent of the state's 44,831 nonagricultural firms, and the 29,589 jobs comprised 3.8 percent of the 771,877 nonagricultural employment during June of 1992, wages were \$257 million, which was 6.4 percent of the state's \$4 billion nonagricultural wages during the second quarter of 1992. Consequently, the industry's average wage of \$34,704 was 167 percent of the state's \$20,753 average wage. On an annual basis, over \$1 billion in wages are paid to information technology workers.

Figure 53 displays June 1992 nonagricultural employment by major industry for the state as a whole. As discussed above, information technology is comprised of a number of minor industries which the SIC includes in manufacturing; transportation, communications, and utilities; wholesale and retail trade; and services. In Figure 53, these information technology minor industries are not included in their respective SIC major industries. While not nearly as large as services, retail trade, manufacturing or government, information technology is comparable to construction; transportation, communications and utilities; wholesale trade; and finance, insurance, and real estate. Moreover, it is three times the size of mining. Thus, measured by employment, information technology is an important part of the Utah economy.



Two of the 30 SIC industries, prepackaged software (SIC 7372) and telephone communications (SIC 4813), account for over 1/3 of information technology employment. Prepackaged software, which has 22 percent of employment, includes industry giants WordPerfect and Novell, as well as other firms such as Folio, Equis International and Wicat, which are gaining national recognition. Telephone communications, which has 15.2 percent of employment, includes the major phone companies, US West, AT&T, MCI, and Sprint, as well as a host of other local and regional companies. Companies such as Cellular One are included in radiotelephone communications (SIC 4812). Since software provides over 1/5 of information technology jobs, it will play a leading role in the industry's evolution. And the fact that software pays wages which average 117 percent of the industry's, and almost twice the state average, will tend to keep information technology a very high-paying industry.

Interestingly, the two highest paying of the information technology SIC industries, computer manufacturing (SIC 3571) and rental and leasing (SIC 7377), are commonly thought of as central to information technology. Most of the other SIC industries directly related to computers, such as wholesale distribution (SIC 5045), programming (SIC 7371), and facilities management (SIC 7376), pay near the industry average and substantially above the state average. Since computers make information technology a meaningful term, the fact that much of the work associated with computers is high-salaried bodes well for information technology as a tool for Utah's economic development.

Table 58 presents the number of firms, employment and payroll wages for the information technology and nonagricultural sectors, by county during second quarter 1992. The rise and advance of information technology is often discussed, almost mystically, in terms of lone inventors working feverishly to produce path breaking innovations which revolutionize commerce and industry. Given the histories of Apple and Microsoft, and the respective importance of Steven Jobs and Bill Gates to these companies, there must be some truth to these stories. Nonetheless, the activity engaged in by individual inventors is not well measured by the payroll reports employers file with the Department of Employment Security, which are the primary data source for this chapter. The importance of individual genius and its distribution throughout Utah can only be speculated. But when payroll data are examined, the striking feature of information technology in Utah is that it is concentrated in Salt Lake County and Utah County.

Not surprisingly, given that distributors as well as producers are included, Salt Lake County dominates information technology. With 763 information technology firms, it has almost 2/3 of all the industry's firms. Salt Lake County has over four times as many firms as Utah County, which, with 189, has the second largest number of firms. Between them, Salt Lake County and Utah County have 78 percent of information technology firms, but 88 percent of the jobs. Although, with 61 percent of the jobs, Salt Lake County dominates employment, Utah County still has 27 percent. Thus, Salt Lake County's dominance of information technology is less pronounced when employment, rather than number of firms, is considered. As a consequence, firms average 43 employees in Utah County, but only 24 employees in both Salt Lake County and the state as a whole. However, average firm size in Utah County is skewed by WordPerfect, Novell and Signetics, which together account for almost half of employment in that county.

As a percent of nonagricultural payroll wages, information technology is most important in the counties of: Utah (16.1 percent), Salt Lake (7.1 percent), Weber (3.5 percent), Summit (3.1 percent), and Cache (2.1 percent). Average wages earned by information technology workers are more than twice the state nonagricultural average in the counties of: Grand (232 percent), Sanpete (228 percent), and Millard and Sevier (204 percent). Unfortunately, in these four counties where information technology wages are so high, the number of workers constitute less than 1 percent of employment.

Figure 54 displays information technology employment as a percent of nonagricultural employment during June, 1992, across the state, which is the 11th column of Table 58. Arguably, this is the best measure of information technology's relative importance to a locale's economy, and its concentration in the state. By this measure, information technology in Utah appears to be centered in Utah County, with strong satellite development in Salt Lake County. Information technology is important in Garfield County because the county has a small employment base and the South Central Utah Telephone Association is located there. In light of the national recognition of Utah Valley as the county's third hot spot, after California's Silicon Valley and North Carolina's Research Triangle, the result that information technology in Utah is centered in Utah County is not surprising. Furthermore, sales of software products and services originating in the Provo-Orem area are second in the world only to Redmond, Washington, where Microsoft is located.

Table 57 Number of Firms, Employment and Wages in Utah's Information Technology Industry Second Quarter 1992

| SIC Industry | Firms | sqof | Wages | Average Wage | Average Wage As a Percent of Non-ag Average | Average Wage As a Percent of IT Average | Jobs As a Percent of Total IT Jobs |
|--|--------|---------|---------------|-----------------|---|---|--|
| 3571 Electronic computers | 16 | 2.496 | \$28,167,074 | 45,140 | 217.5% | 130.1% | 8.4% |
| | 7 | Ω | Q | Ω | Ω | D | Q |
| | 2 | Ω | Ω | О | Q | D | Q |
| 3577 Computer peripheral equipment, not elsewhere classified | 14 | 251 | 1,618,890 | 25,799 | 124.3% | 74.3% | 0.8% |
| 3578 Calculating and accounting equipment | 0 | 0 | 0 | NA | NA | NA | 0.0% |
| 3661 Telephone and telegraph apparatus | ę | 120 | 643,380 | 21,446 | 103.3% | 61.8% | 0.4% |
| 3663 Radio & TV communications equipment | 13 | 762 | 6,245,781 | 32,786 | 158.0% | 94.5% | 2.6% |
| 3669 Communications equipment, not elsewhere classified | - | Ω | Q | Ω | Ω | D | D |
| 3672 Printed circuit boards | 24 | 2,108 | 17,071,876 | 32,394 | 156.1% | 93.3% | 7.1% |
| 3674 Semiconductors and related devices | œ | 1,841 | 16,699,413 | 36,283 | 174.8% | 104.6% | 6.2% |
| 3695 Magnetic & optical recording media | 33 | 3 | 18,072 | 24,096 | 116.1% | 69.4% | 0.0% |
| 3823 Process control instruments | 6 | 213 | 960,408 | 18,036 | 86.9% | 52.0% | 0.7% |
| 3825 Instruments to measure electricity | 9 | 70 | 417,142 | 23,837 | 114.9% | 68.7% | 0.2% |
| 4812 Radiotelephone communications | 18 | 332 | 2,704,184 | 32,581 | 157.0% | 93.9% | 1.1% |
| 4813 Telephone communications, except radio | 126 | 4,498 | 37,342,551 | 33,208 | 160.0% | 95.7% | 15.2% |
| 4822 Telegraph & other communications | 2 | D | Ω | Ω | Ω | Ω | Ω |
| 4841 Cable & other pay TV services | 32 | 464 | 2,832,413 | 24,417 | 117.7% | 70,4% | 1.6% |
| 5045 Computers, peripherals & software | 160 | 1,766 | 17,988,307 | 40,744 | 196.3% | 117.4% | 6.0% |
| 5065 Electronic parts & equipment | 153 | 865 | 8,833,571 | 35,619 | 171.6% | 102.6% | 3.4% |
| 5734 Computer & software stores | 123 | 852 | 4,731,899 | 22,215 | 107.0% | 64.0% | 2.9% |
| 7371 Computer programming services | 161 | 1,073 | 8,422,910 | 31,399 | 151.3% | 90.5% | 3.6% |
| 7372 Prepackaged software | 74 | 6,496 | 66,128,788 | 40,720 | 196.2% | 117.3% | 22.0% |
| 7373 Computer integrated systems design | 53 | 1,214 | 11,426,271 | 37,648 | 181.4% | 108.5% | 4.1% |
| 7374 Data processing and preparation | 53 | 1,168 | 7,713,847 | 26,417 | 127.3% | 76.1% | 3.9% |
| 7375 Information retrieval services | 11 | 1,002 | 3,568,288 | 14,245 | %9'89 | 41.0% | 3.4% |
| 7376 Computer facilites management | 4 | 18 | 155,713 | 34,603 | 166.7% | 99.7% | 0.1% |
| 7377 Computer rental & leasing | 6 | 32 | 352,187 | 44,023 | 212.1% | 126.9% | 0.1% |
| 7378 Computer maintenance & repair | 48 | 4 | 1,025,023 | 28,473 | 137.2% | 82.0% | 0.5% |
| 7379 Computer related services, not elsewhere classified | 74 | 367 | 2,678,872 | 29,198 | 140.7% | 84.1% | 1.2% |
| 8243 Data processing schools | 16 | 128 | 555,466 | 17,358 | 83.6% | \$0.0% | 0.4% |
| Information Technology | 1,218 | 29,589 | 256,711,631 | 34,704 | ΥN | NA | ΥN |
| Non-Agricultural | 44,831 | 771,877 | 4,004,787,102 | 20,753 | Y. | NA | V N |
| Information Technology as a percent of Non-Agricultural | 2.7% | 3.8% | 6.4% | 167.2% | N | N | NA |
| | | | | | | | |

D = Not Disclosed

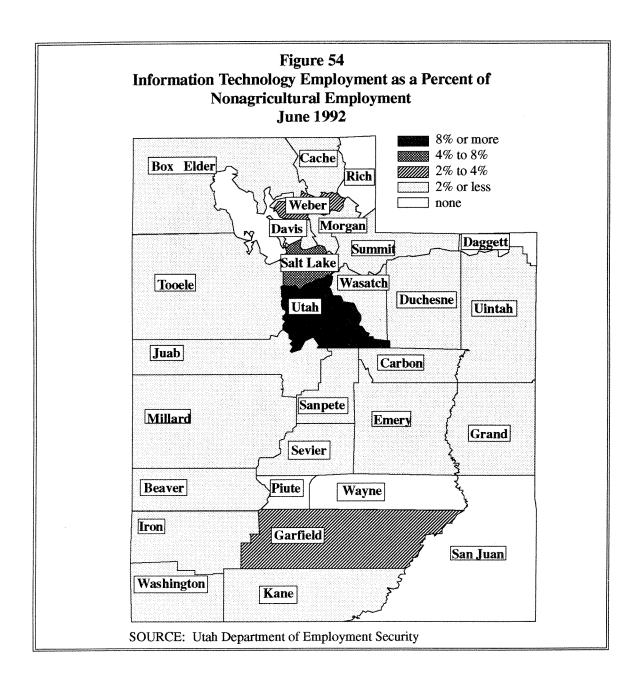
Sources: Utah Department of Employment Security and Utah Office of Planning and Budget.

Table 58
Number of Firms, Employment and Wages in Utah's Information Technology Industry by County During Second Quarter 1992

| County | | Information Technology Industry | nology Industry | | | Non Agricultural Total | tural Total | | As a Pe | rcent of Non A | As a Percent of Non Agricultural Total | |
|-------------|-------|---------------------------------|-----------------|-------------------|--------|------------------------|---------------|-------------------|---------|----------------|--|-------------------|
| County | | | | Average Annual | | | | Average Annual | | | | Average Annual |
| | Firms | Jobs | Wages | Wage | Firms | Jobs | Wages | Wage | Firms | Jobs | Wages | Wage |
| Beaver | 2 | Q | D | Q | 183 | 1,419 | 5,489,350 | 15,474 | 1.1% | D | D | D |
| Box Elder | 9 | 37 | 316,374 | 34,203 | 745 | 15,246 | 107,578,206 | 28,225 | 0.8% | 0.2% | 0.3% | 121.2% |
| Cache | 36 | 524 | 2,625,559 | 20,042 | 1,546 | 30,823 | 126,669,893 | 16,438 | 2.3% | 1.7% | 2.1% | 121.9% |
| Carbon | 9 | 4 | 312,335 | 28,394 | 574 | 7,844 | 39,899,285 | 20,346 | 1.0% | 0.6% | 0.8% | 139.6% |
| Daggett | 0 | 0 | 0 | D | 49 | 456 | 1,866,452 | 16,372 | 0.0% | 0.0% | 0.0% | D |
| Davis | 80 | 621 | 5,530,771 | 35,625 | 3,218 | 62,552 | 322,743,885 | 20,638 | 2.5% | 1.0% | 1.7% | 172.6% |
| Duchesne | 3 | 37 | 278,059 | 30,060 | 430 | 4,110 | 18,425,614 | 17,932 | 0.7% | 0.9% | 1.5% | 167.6% |
| Emery | 2 | Q | D | Q | 247 | 3,906 | 26,090,927 | 26,719 | 0.8% | D | Q | Q |
| Garfield | 2 | D | D | D | 191 | 1,865 | 5,526,270 | 11,853 | 1.0% | D | D | D |
| Grand | 4 | 25 | 199,070 | 31,851 | 354 | 3,258 | 11,201,811 | 13,753 | 1.1% | 0.8% | 1.8% | 231.6% |
| Iron | 10 | 70 | 493,229 | 28,185 | 619 | 8,479 | 30,983,812 | 14,617 | 1.5% | 0.8% | 1.6% | 192.8% |
| Juab | | Д | D | D | 172 | 2,017 | 7,442,912 | 14,760 | 0.6% | D | D | D |
| Kane | | D | D | D | 214 | 1,922 | 5,647,778 | 11,754 | 0.5% | D | D | Q |
| Millard | 4 | 14 | 148,506 | 42,430 | 325 | 3,550 | 18,435,291 | 20,772 | 1.2% | 0.4% | 0.8% | 204.3% |
| Morgan | 1 | D | D | D | 114 | 1,197 | 5,417,702 | 18,104 | 0.9% | D | О | D |
| Piute | 0 | 0 | 0 | Q | 42 | 197 | 833,412 | 16,922 | 0.0% | 0.0% | 0.0% | Ω |
| Rich | 0 | 0 | 0 | D | 69 | 502 | 1,245,196 | 9,922 | 0.0% | 0.0% | 0.0% | D |
| Salt Lake | 763 | 17,938 | 154,674,921 | 34,491 | 21,893 | 392,249 | 2,178,916,796 | 22,220 | 3.5% | 4.6% | 7.1% | 155.2% |
| San Juan | 0 | 0 | 0 | D | 292 | 3,624 | 14,639,462 | 16,158 | 0.0% | 0.0% | 0.0% | D |
| Sanpete | S | 28 | 205,702 | 29,386 | 388 | 4,792 | 15,459,432 | 12,904 | 1.3% | 0.6% | 1.3% | 227.7% |
| Sevier | 4 | 13 | 111,867 | 34,421 | 462 | 5,247 | 22,148,783 | 16,885 | %6.0 | 0.2% | 0.5% | 203.9% |
| Summit | 15 | 132 | 1,032,368 | 31,284 | 688 | 7,792 | 33,461,044 | 17,177 | 1.7% | 1.7% | 3.1% | 182.1% |
| Tooele | 10 | 70 | 514,841 | 29,419 | 467 | 10,711 | 69,552,874 | 25,974 | 2.1% | 0.7% | 0.7% | 113.3% |
| Uintah | \$ | 23 | 174,085 | 30,276 | 699 | 7,369 | 35,233,619 | 19,125 | 0.7% | 0.3% | 0.5% | 158.3% |
| Utah | 189 | 8,074 | 76,153,539 | 37,728 | 5,204 | 129,66 | 472,169,725 | 18,949 | 3.6% | 8.1% | 16.1% | 199.1% |
| Wasatch | 2 | D | Q | D | 536 | 2,748 | 10,042,961 | 14,619 | 0.7% | D | D | Ω |
| Washington | 17 | 210 | 1,340,683 | 25,537 | 1,509 | 17,652 | 68,427,027 | 15,506 | 1.1% | 1.2% | 2.0% | 164.7% |
| Wayne | 0 | 0 | 0 | D | 92 | 689 | 2,210,308 | 12,832 | 0.0% | 0.0% | 0.0% | Q |
| Weber | 20 | 1,664 | 12,153,199 | 29,214 | 3,518 | 066'69 | 347,027,275 | 19,833 | 1.4% | 2.4% | 3.5% | 147.3% |
| State Total | 1,218 | 29,589 | 256,711,631 | 34,704 | 44,831 | 771,877 | 4,004,787,102 | 20,753 | 2.7% | 3.8% | 6.4% | 167.2% |
| | | | | | | | | | | | | |

D = Not Disclosed

Sources: Utah Department of Employment Security and Utah Office of Planning and Budget.



TOURISM

Utah's tourism industry contributes to the health of the state's economy by increasing the diversity of the economic base and bringing new monies into the state. Utah is home to five national parks, five national monuments, six national forests, a dozen ski resorts, and the Church of Jesus Christ of Latter-day Saints with the accompanying temples, genealogical library and other facilities. These and other attractions help to make tourism a vital industry to the state's economy and help explain why in 1990 Utah ranked as the 11th most travel-dependent state in the nation.¹

According to a recent study on rural Utah tourism, an estimated 14 million visitors traveled to Utah during 1991, spending approximately \$2.9 billion.² The same study estimates that 61,200 jobs or 8.2 percent of the total jobs in the state are tourism-related. In 1991 winter visitors spent an estimated \$152 per person per day and summer visitors spent \$27 per person per day. These expenditures generated \$214 million of revenues for state and local governments. Table 59 provides a profile of the Utah tourism industry.

Because tourism is a hybrid industry made up of a mix of industry sectors such as retail trade, services and government, analysts disagree about how to define the industry.³ By all definitions, however, tourism has experienced significant growth over the past decade and the prospects for the future are equally bright. Table 60 presents a ten-year history of state-wide tourism indicators and Figures 55 and 56, and Table 60 illustrate the growth trend in hotel room rents, national park visits and skier visits. By nearly every measure the tourism industry has exceeded the growth of the overall economy.

For instance, hotel room rents provide a useful measure of tourism activity because hotel operators are required by state law to collect and report room rents. From 1981 to 1991, hotel room rents more than doubled and in inflation-adjusted dollars increased at an annual average rate of 5.8 percent. This increase compares to annual growth in the overall economy of 2.8 percent (measured as the inflation adjusted annual average growth in total personal income). Over this same period, national park visits grew at an annual average pace of 6.5 percent; Salt Lake International Airport passengers, 11.9 percent; skier visits, 4.8 percent; and tourism-related employment, 3.9 percent.

The only state-wide tourism indicator that has declined over the past decade is state park visits and this trend is distorted because the Division of Parks and Recreation has changed the way visitors are counted. As the counting methodology changes, real growth in visitation can be obscured by data errors that overstated visitation in earlier years.

Table 61 shows recreation visits to Utah's national parks and monuments. Zion National Park receives the most visits followed by Bryce Canyon National Park and Arches National Park. Visitation to Canyonlands National Park increased the most rapidly from 1981 to 1991, rising from just under 90,000 in 1981 to over 339,000 in 1991. Visitation at all of the national parks and monuments has increased during the past decade.

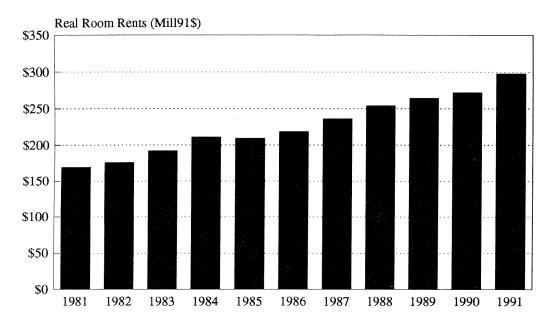
Utah's tourism attractions are found in all parts of the state with most of the national parks and monuments in southern Utah and most of the ski resorts and urban attractions in northern Utah. National forests exist in every county and Utah offers 45 state parks. Since these attractions are located throughout the state, tourism is important

¹ The measure of travel dependency used here is U.S. Travel Data Center estimates of travel-related employment as a percent of total state employment.

² Rural Utah Tourism, April 1992, Utah Office of Planning and Budget.

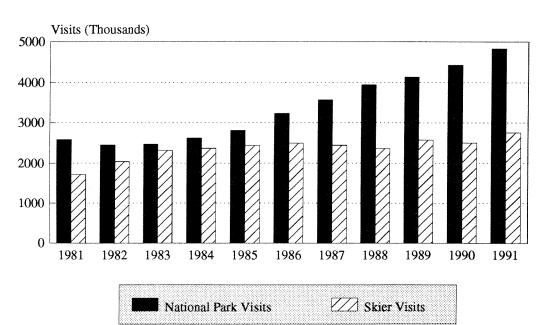
³ There is no commonly accepted definition of tourism in use at this time. The U.S. Travel Data Center, widely recognized as a primary source for state travel data and research, avoids the use of the word "tourism" because of its vague meaning. Instead they define "travel" as activities associated with all overnight trips away from home in paid accommodations, and day trips to places 100 miles or more from the traveler's origin. The Utah Office of Planning and Budget has often utilized a much broader delineation of tourism that includes aspects of both business and personal travel as well as recreation by residents.

Figure 55 Utah Tourism Indicators Hotel Room Rents



Source: Utah State Tax Commission, National Park Service, & Utah Ski Assoc.

Figure 56
Utah Tourism Indicators
National Park & Skier Visits



Source: Utah State Tax Commission, National Park Service, & Utah Ski Assoc. to both urban and rural Utah. However, as industries such as logging, mining, and grazing have declined in many parts of rural Utah, tourism has emerged as an important contributor to the economic base.

One measure of the dependence of counties on tourism activity is the ratio of hotel room rents to total personal income. Using this measure the counties most dependent on tourism by a wide margin are Garfield, Summit and Grand (Table 62). Garfield County is where Bryce National Park is located; Summit County is the location of Park City and the adjacent ski resorts; and Grand County is the location of Moab; one of the most popular towns in close proximity to Arches and Canyonlands National Park and other red rock attractions. Many of Utah's urban counties such as Salt Lake, Weber, Utah, and Davis have larger, more diversified economies. In these counties room rents comprise 1 percent or less of total personal income. Figure 57 shows rankings of tourism dependency.

The future for tourism in Utah is positive. Many factors are expected to contribute to tourism growth in the future:

- The aging of america. The U.S. population is expected to increase by 7.2 percent between 1990 and 2000. In contrast, the age group from 45 to 54 years, an age group with high propensities to travel, is expected to increase by 46.0 percent over the same period.
- Rising real disposable income. Income continues to rise in this country, even after adjusting for inflation and taxes. According to the Bureau of Economic Analysis, real disposable income per capita from 1982 to 1991 increased 18.5 percent. Since travel is largely a discretionary spending item, it is powerfully affected by changes in income.
- Large increases in foreign travel. The combination of rising prosperity and growing personal freedoms in other parts of the world is proving to be a boon for the travel industry. The estimated number of foreign visitors in Utah has doubled in the past four years.
- Favorable media coverage. Utah has received favorable media coverage in recent years because of the relative strength of Utah's economy and from efforts to secure the Winter Olympic Games.
- Growth in the LDS Church. Salt Lake City is headquarters for the Church of Jesus Christ of Latter-day Saints. Since its beginning over 160 years ago, the Church has enjoyed steady membership growth. In recent years the growth has been a consistent 5 percent per year. Total membership is now over 8 million. The Church headquarters, genealogical library, Brigham Young University, several temples, and other sites continue to be a draw for members in other states and foreign countries.

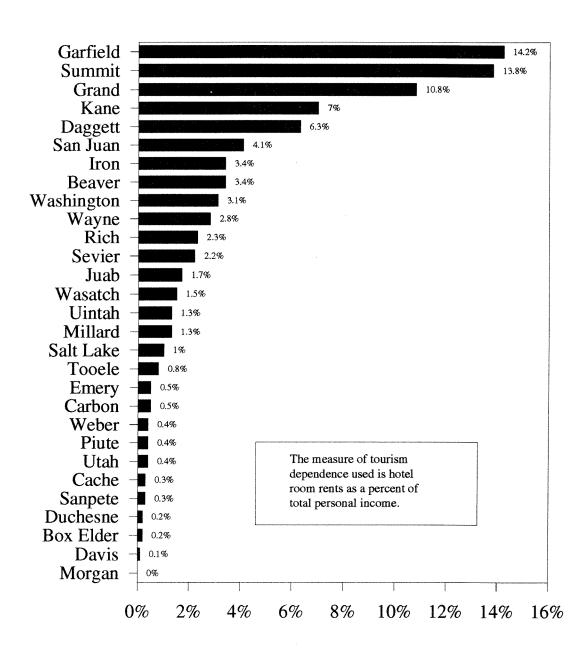
The positive impact of these factors will be offset somewhat by the increase in dual-income households and reduced leisure time. The aging of the national population may also negatively impact growth in some tourism and recreation activities. Overall, however, tourism is expected to be a growth industry.

To capitalize on the expected growth in the tourism industry, a tourism research group, consisting of the Utah Office of Planning and Budget, the Utah Department of Community and Economic Development, and the Bureau of Economic and Business Research (University of Utah), identified several needs and findings related to the tourism industry.⁴ The research group determined the industry needs better coordination, more infrastructure development, improved data and information, additional funding and enhanced planning. The primary findings of their 18-month study include:

- Tourism represents one of the most important activities in the Utah economy and is vital to rural Utah.
- The prospects for continued growth in the industry are favorable.

⁴ Ibid, Rural Utah Tourism report.

Figure 57 1990 Tourism Dependence by County



Source: Utah State Tax Commission and Bureau of Economic Analysis

- The impact on state and local revenues is generally positive.
- Tourism can help stabilize and diversify the economic base without displacing other industries.
- Although the infrastructure to support tourism is substantial, improvements and / or additions are needed.
- Many sources exist to finance tourism infrastructure improvements.

As part of this research effort, a tourism infrastructure inventory was developed. The inventory includes summary characteristics of airports, rest areas, rentals, auto services, retail services, campgrounds, national parks / monuments / recreation areas, state parks, cultural / recreational facilities, events, tours, medical services, utilities, and public services. The inventory provides a starting point for entrepreneurs, government officials, and other tourism decision makers to assess Utah's tourism infrastructure needs.

Over the coming years tourism will continue to grow in importance to the state's economy. As tourism's relative significance increases, the public and private sector's role in promoting, analyzing and responding to this dynamic industry will become increasingly more important.

Table 59
Profile of the Utah Tourism Industry

| | 1990 | 1991 |
|--|----------------|----------------|
| Total Spending by Out-of-State Travelers | \$2.66 billion | \$2.90 billion |
| Expenditures Per Person Per Day | | |
| Winter | \$145.00 | \$151.55 |
| Summer | \$25.82 | \$26.92 |
| Total Number of Out-of-State Visitors | 13.0 million | 14.0 million |
| Number of U.S. Visitors | 12.4 million | 13.3 million |
| Number of Foreign Visitors | 0.6 million | 0.7 million |
| Total Tourism-Related Employment | 58,560 | 61,200 |
| Percent of Utah Jobs in Tourism | 8.1% | 8.2% |
| Total State & Local Taxes Generated by Tourism Spending | \$196 million | \$214 million |

Source:

Estimates based on U.S. Travel Data Center, "Impact of Travel on State Economies" 1989; 1987 Utah Tourism Study; Utah Skier Survey; and travel indicators including visitor counts, interstate border crossings, and air traffic.

Table 60 Utah Tourism Indicators

| | Hotel Room Rents (Current\$) | Hotel Room Rents (1991\$) | National Park Visits | State Park Visits | Salt Lake Int'l Airport Passengers | Skier Visits | Temple Square Visits | Travel, Tourism Recreation Employment |
|---|------------------------------------|---------------------------------|----------------------------|-------------------------|--|------------------------|----------------------------|---|
| 1981 | \$113,273,174 | \$169,722,842 | 2,577,112 | 6,430,174 | 4,149,316 | 1,726,000 | 2.229,530 | 41.694 |
| 1982 | \$124,787,207 | \$176,124,535 | 2,443,787 | 6,436,488 | 5,861,477 | 2,038,544 | 2,246,888 | 42,442 |
| 1983 1984 | \$140,728,877 \$161,217,797 | \$192,442,500 \$211,336,515 | 2,465,294 2,616,301 | 5,214,498 4,400,103 | 7,059,964 7,514,113 | 2,317,255 2,369,901 | 2,210,882 2,294,991 | 43,378 46,072 |
| 1985 | \$165,280,248 | \$209,211,615 | 2,804,693 | 4,846,637 | 8,984,780 | 2,436,544 | 2,231,978 | 48,533 |
| 1986 | \$175,807,344 | \$218,475,915 | 3,224,694 | 5,387,791 | 9,990,986 | 2,491,191 | 2,599,441 | 49,845 |
| 1988 | \$220,687,694 | \$254,079,999 | 3,941,791 | 5,072,123 | 10,408,233 | 2,368,985 | 3,401,133 4,162,440 | 52,485 |
| 1989 | \$240,959,095 | \$264,666,361 | 4,135,399 | 4,917,615 | 11,898,847 | 2,572,154 | 4,345,879 | 55,637 |
| 1990 | \$261,017,079 | \$272,000,965 | 4,425,086 | 5,033,776 | 11,982,276 | 2,500,134 | 4,788,278 | 58,560 |
| 1991 | \$298,000,000 | \$298,000,000 | 4,829,317 | 5,425,129 | 12,477,926 | 2,751,551 | NA | 61,200 |
| Percent Change 1981-91 | 163.1% | 75.6% | 87.4% | -15.6% | 200.7% | 59.4% | 114.8% | 46.8% |
| Average Annual Rate of Change 1981-91 | 10.2% | 5.8% | 6.5% | -1.7% | 11.6% | 4.8% | 7.9% | 3.9% |

Sources: Utah State Tax Commission, National Park Service, Utah Division of Parks and Recreation, Salt Lake Airport Authority, Utah Ski Association, Church of Jesus Christ of Latter-Day Saints, Utah Office of Planning and Budget.

Table 61
Recreation Visits to Utah National Parks and Monuments

| | L PARKS Arches | Bryce Canyon | Canyonlands | Capitol Reef | Zion | Total National Parks |
|--|---|---|---|--|--|--|
| 1981 | 326,508 | 474,092 | 89,915 | 397,789 | 1,288,808 | 2,577,112 |
| 1982 | 339,415 | 471,517 | 97,079 | 289,486 | 1,246,290 | 2,443,787 |
| 1983 | 287,875 | 472,633 | 100,022 | 331,734 | 1,273,030 | 2,465,294 |
| 1984 | 345,180 | 495,104 | 102,533 | 296,230 | 1,377,254 | 2,616,301 |
| 1985 | 363,464 | 500,782 | 116,672 | 320,503 | 1,503,272 | 2,804,693 |
| 1986 | 419,444 | 578,018 | 172,987 | 383,742 | 1,670,503 | 3,224,694 |
| 1987 | 468,916 | 718,342 | 172,384 | 428,808 | 1,777,619 | 3,566,069 |
| 1988 | 520,455 | 791,348 | 212,100 | 469,556 | 1,948,332 | 3,941,791 |
| 1989 | 555,809 | 808,045 | 257,411 | 515,278 | 1,998,856 | 4,135,399 |
| 1990 | 620,719 | 862,659 | 276,831 | 562,477 | 2,102,400 | 4,425,086 |
| 1991 | 705,882 | 929,067 | 339,315 | 618,056 | 2,236,997 | 4,829,317 |
| Percent Cha | unge | | | | | |
| 1981-91 | 116.2% | 96.0% | 277.4% | 55.4% | 73.6% | 87.4% |
| Rate of Cha 1981-91 | 8.0% | 7.0% | 14.2% | 4.5% | 5.7% | 6.5% |
| 1701 71 | | | | × | | |
| | L MONUMENTS | | | S | | |
| | | | National | Dainham | Т: | Total |
| | L MONUMENTS Cedar Breaks | Dinosaur | Natural Bridges | Rainbow Bridge | Timpanogos Cave | Total National Monuments |
| | Cedar | | | | | National |
| | Cedar | | | Bridge 114,555 | Cave 104,497 | National Monuments |
| NATIONA | Cedar Breaks | Dinosaur | Bridges | Bridge 114,555 172,126 | Cave | National Monuments |
| 1981 1982 1983 | Cedar Breaks 402,680 374,695 329,268 | Dinosaur 345,784 | 60,131 55,209 56,368 | Bridge 114,555 172,126 161,551 | 104,497 104,630 98,475 | National Monuments 1,027,647 1,103,598 1,073,037 |
| 1981 1982 | Cedar Breaks 402,680 374,695 | 345,784 396,938 427,375 493,140 | 60,131 55,209 | Bridge 114,555 172,126 161,551 177,971 | 104,497 104,630 98,475 119,688 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 |
| 1981 1982 1983 1984 1985 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 | 345,784 396,938 427,375 493,140 418,187 | 60,131 55,209 56,368 59,123 61,179 | Bridge 114,555 172,126 161,551 177,971 177,038 | 104,497 104,630 98,475 119,688 128,622 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 |
| 1981 1982 1983 1984 1985 1986 | Cedar Breaks 402,680 374,695 329,268 353,092 | 345,784 396,938 427,375 493,140 418,187 430,891 | 60,131 55,209 56,368 59,123 61,179 73,069 | 114,555 172,126 161,551 177,971 177,038 283,597 | 104,497 104,630 98,475 119,688 128,622 124,410 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 |
| 1981 1982 1983 1984 1985 1986 1987 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 | 114,555 172,126 161,551 177,971 177,038 283,597 210,708 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 |
| 1981 1982 1983 1984 1985 1986 1987 1988 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 | 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 |
| 1981 1982 1983 1984 1985 1986 1987 1988 1989 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 480,276 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 436,303 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 103,822 | 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 238,307 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 126,876 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 1,385,584 |
| 1981 1982 1983 1984 1985 1986 1987 1988 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 480,276 417,330 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 436,303 450,368 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 103,822 101,958 | 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 238,307 255,420 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 126,876 114,247 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 1,385,584 1,339,323 |
| 1981 1982 1983 1984 1985 1986 1987 1988 1989 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 480,276 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 436,303 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 103,822 | 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 238,307 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 126,876 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 1,385,584 |
| 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 480,276 417,330 456,001 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 436,303 450,368 447,781 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 103,822 101,958 124,596 | Bridge 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 238,307 255,420 258,346 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 126,876 114,247 104,745 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 1,385,584 1,339,323 1,391,469 |
| 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 480,276 417,330 456,001 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 436,303 450,368 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 103,822 101,958 | 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 238,307 255,420 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 126,876 114,247 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 1,385,584 1,339,323 |
| 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 | Cedar Breaks 402,680 374,695 329,268 353,092 385,381 425,732 430,559 477,493 480,276 417,330 456,001 | 345,784 396,938 427,375 493,140 418,187 430,891 412,089 474,452 436,303 450,368 447,781 | 60,131 55,209 56,368 59,123 61,179 73,069 88,243 98,559 103,822 101,958 124,596 | Bridge 114,555 172,126 161,551 177,971 177,038 283,597 210,708 238,307 238,307 255,420 258,346 | 104,497 104,630 98,475 119,688 128,622 124,410 137,279 138,694 126,876 114,247 104,745 | National Monuments 1,027,647 1,103,598 1,073,037 1,203,014 1,170,407 1,337,699 1,278,878 1,427,505 1,385,584 1,339,323 1,391,469 |

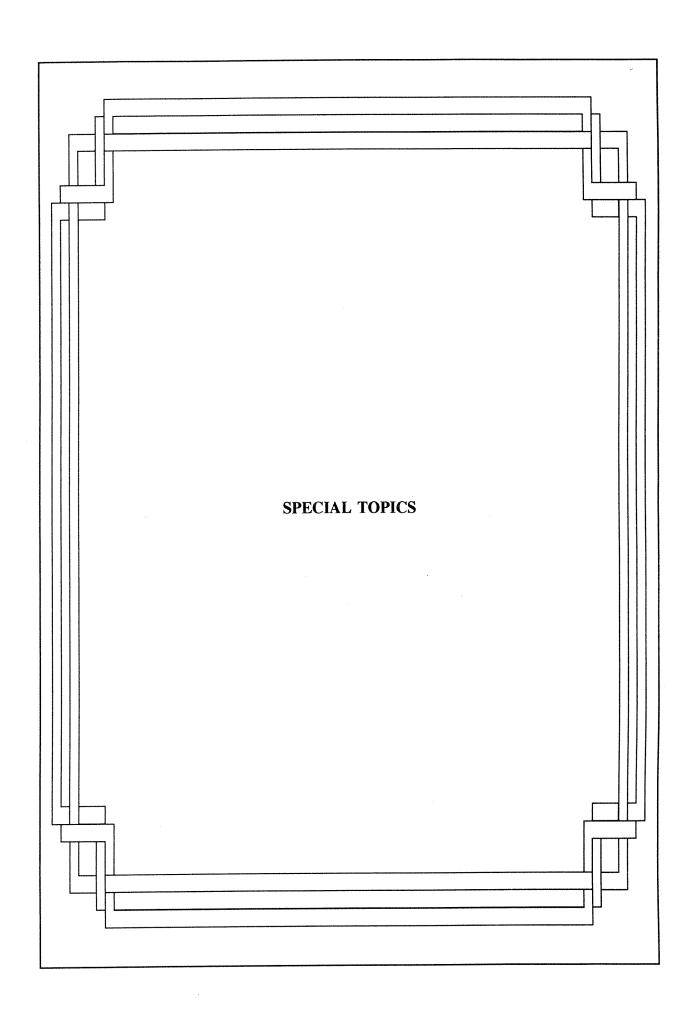
Source: National Park Service, Statistical Unit.

Table 62
Utah Gross Taxable Room Rents and Tourism Dependency in 1990

| County | Room Rents | Personal Income (000) | Rents as a Percent of Personal Income | Ranking of Tourism Dependency Ratio |
|------------|---------------------------------------|-----------------------------|---|--|
| | 2,013,023 | 59,627 | 3.4% | 8 |
| Beaver | 2,013,023 1,105,697 | 575,481 | 0.2% | 27 |
| Box Elder | 2,926,981 | 866,669 | 0.3% | 24 |
| Cache | 1,520,227 | 302,347 | 0.5% | 20 |
| Carbon | 729,887 | 11,507 | 6.3% | 5 |
| Daggett | 2,970,519 | 2,530,011 | 0.3% | 28 |
| Davis | · · · · · · · · · · · · · · · · · · · | 153,887 | 0.2% | 26 26 |
| Duchesne | 361,700 605,313 | 114,409 | 0.5% | 19 |
| Emery | | 51,154 | 14.2% | 1 |
| Garfield | 7,260,123 9,527,958 | 88,012 | 10.8% | 3 |
| Grand | | 228,417 | 3.4% | 7 |
| Iron | 7,877,653 | 62,289 | 1.7% | 13 |
| Juab | 1,049,546 | 60,019 | 7.0% | 4 |
| Kane | 4,207,395 | 140,756 | 1.3% | 16 |
| Millard | 1,804,719 | | 0.0% | 29 |
| Morgan | 18,851 | 81,853 | 0.0% | 29 22 |
| Piute | 58,427 | 14,115 | | 11 |
| Rich | 594,818 | 26,115 | 2.3% | 17 |
| Salt Lake | 116,590,783 | 11,224,410 | 1.0% | |
| San Juan | 4,233,749 | 103,169 | 4.1% 0.3% | 6 25 |
| Sanpete | 525,350 | 174,669 | | |
| Sevier | 4,070,715 | 183,696 | 2.2% | 12 2 |
| Summit | 43,994,111 | 318,073 | 13.8% | |
| Tooele | 3,045,922 | 397,833 | 0.8% | 18 |
| Uintah | 3,185,944 | 244,867 | 1.3% | 15 |
| Utah | 10,997,824 | 3,036,573 | 0.4% | 23 |
| Wasatch | 1,894,236 | 127,594 | 1.5% | 14 |
| Washington | 17,007,008 | 557,472 | 3.1% | 9 |
| Wayne | 628,452 | 22,213 | 2.8% | 10 |
| Weber | 10,210,151 | 2,427,922 | 0.4% | 21 |
| Total | 261,017,079 | 24,185,159 | 1.1% | |

Note: The measure of tourism dependency is room rents as a percent of total personal income.

Source: Utah State Tax Commission and Bureau of Economic Analysis.



UTAH HOSPITAL CHARGES COMPARED TO OTHER STATES

The Bureau of Economic and Business Research (BEBR) of the University of Utah recently provided Intermountain Health Care, Inc. (IHC) with an independent evaluation of data reliability and of the adequacy and sufficiency of statistical measures used in IHC's internal program of tracking and comparing hospital charges. Researchers Frank Hachman and Boyd Fjeldsted of BEBR closely examined selected data sets and statistical procedures and provided several recommendations to IHC. These BEBR staff members also formulated a specific hospital charge comparison method that the IHC staff applied to data derived from the available national Medicare files for the year 1989. The resulting hospital charge comparisons are not themselves sufficient to allow inferences as to either the causes or consequences of differences in hospital charge levels among states, but they are sufficiently robust in their nature and so significant in their implications as to be of interest to a wider audience.

An exceedingly interesting finding is that Utah ranks very low — 44th among the 50 states and the District of Columbia — in the average level of Medicare hospital charges (Table 63). Even more striking are the differences in average level of Medicare hospital charges between Utah and many of the eastern or more southern states. As cases in point, average Medicare hospital charges in Michigan, Illinois, and California were respectively 142.5 percent, 143.5 percent and 172.1 percent of the average Utah Medicare hospital charge. But, before the findings are examined in more detail, the database used and the measure of charge level employed ought to be carefully described.

MEDPAR

The foundation for the analysis is the "MEDPAR" file of Medicare discharge data for 1989. The Medicare program is the familiar federal hospital insurance plan covering hospital and related services for nearly all persons age 65 and over. Medicare also covers disabled beneficiaries of any age after 24 months of entitlement to cash benefits under the Social Security or Railroad Retirement programs and also persons with end-stage renal disease. These "regardless-of-age" extensions account for the fact that the United States Medicare enrollment as of July 1, 1989 (at 32.86 million persons) was substantially in excess of the resident U.S. population age 65 and over (estimated to have been 30.98 million). Total enrollment in the Hospital Insurance part of Medicare as of July 1, 1989, including outlying and foreign residents, was 33.04 million persons with 29.87 million being 65 or over and 3.17 million disabled persons under 65 years of age. Medicare enrollment in Utah as of July 1, 1989 was 154,000 persons or slightly less than 0.5 percent of the U.S. resident enrollment.

Of immediate interest is the very large size of the database of hospital charges generated by this insured population. These data are also of unusually good quality within the sphere of data generally available to social scientists. Uniform standards of qualification and definition are imposed by the U.S. Health Care Financing Administration (HCFA), and claims are subject to audit with appropriate civil or criminal penalties for violations. Access to the MEDPAR data files is restricted to qualified contractors, and in July of 1991 one of these, LEWIN/ICF of Washington, D.C., produced a documented database on magnetic tape for IHC. The most recent accessible year as of that date was 1989. For 1989 the MEDPAR files report that 6,623 hospitals in the 50 states and the District of Columbia reported charges for 9,541,698 qualifying discharges. Of these 6,623 hospitals, 49 were in the state of Utah, reporting charges for 37,853 of the discharges. The ratio of discharges to enrollees is substantially lower in Utah than for the rest of the nation. Utah's 37,853 discharges amounted to 24.6 per 100 enrollees, while the rest of the nation experienced 29.0 per 100 or 17.9 percent greater than Utah's rate.

Hospital Charges and DRGs

Importance and particular attention should be given to the terms "qualifying discharges" and "hospital charges". The "qualifying discharges" are completed hospital stays associated with a standardized category of medical conditions referred to as a diagnostically related group (DRG). In 1989 there were 475 DRGs eligible for Medicare reimbursement. Several of these categories, however, rarely apply to Medicare enrollees. For example, in the United States as a whole, there were zero cases in DRG 330 (Urethral Stricture, Ages 0 to 17). The category with the greatest number of discharges — 512,086 in 1989 — was DRG 127 (Heart Failure and Shock). Ineligible DRGs

in 1989 largely encompassed experimental procedures, such as DRG 480 (Liver Transplant), with seven discharges reported and DRG 488 (HIV with Extensive O.R. Procedure), with 278 discharges.

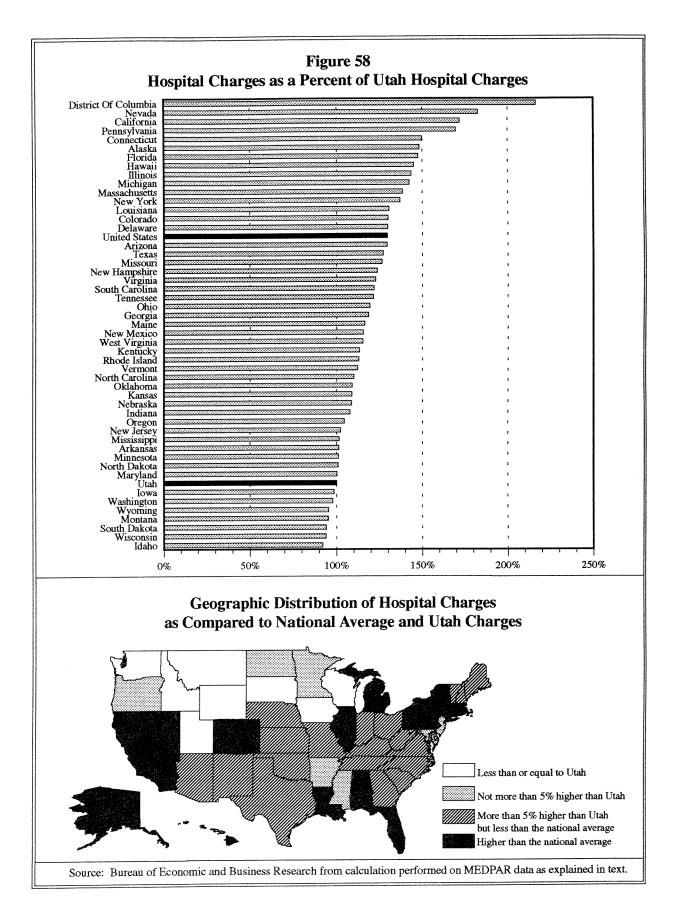
The grouping of Medicare claims into generalized DRG categories provides a level of statistical control over the enormous range of conditions and charges to be found within the general distribution of hospital charges. This is especially important to the task of comparing charges across states, where the variation in the mix of cases is a major complication. A DRG of particular significance to Utah is number 472 (Extensive Burns with O.R. Procedure). Nationally, 226 Medicare cases were reported in 1989, of which only two were in Utah. For the rest of the nation, 224 cases among 32.73 million non-Utah U.S. enrollees is a rate of 6.84 cases per million enrollees, which is only about 1/2 the rate of occurrence found in Utah's two cases of 154,000 enrollees (13.0 per million). This relatively high incidence for Utah can be explained in terms of the regionalization of higher order medical services, and is even more strongly observed in DRG 103 (Heart Transplant) where Utah reported ten of the nation's 123 cases. The impact of regionalization of higher order services is compounded by the enormous size of hospital charges that can be observed in these cases. The mean charge for a heart transplant in 1989 was \$101,232 in Utah and \$98,154 in the rest of the nation. The mean Utah charge for the two burn cases was \$290,540 compared to an average of \$81,946 elsewhere. Clearly, an "average" case is a concept of very limited usefulness in some DRGs, but it is as clear that a standardization of case mix is an absolute requisite for comparing hospital charges among states.

Hospital Charge Index

The standard of comparison appropriate to this examination is that of comparing Utah's charges to those of other areas as if the other areas provided services for Utah's mix of cases. The index generated in this approach is the measure of Utah's average charge relative to the average charge in the other region if the other region had provided Utah's mix of cases. The simple average of the 9,503,845 claims in 1989 for the rest of the nation was \$8,115, while the simple average of the 37,853 charges of Utah hospitals was \$6,966. If the charges in the rest of the nation had been weighted in the same proportions as the Utah charges, the national average would have been \$9,037 instead of \$8,115 (Table 63). Thus, the Charge Index for the rest of the nation relative to Utah is 129.7 (9,037 times 100 divided by 6,966). Figure 58 graphically depicts the results of the Hospital Charge Index calculations for each state and the District of Columbia.

In the circumstances of Utah's extensive burn cases, the rest of the nation's less costly cases were given Utah's higher weight of 0.0053 percent of all cases. This "Utah share of mix" is more than twice the share of the rest of the nation's mix, where 224 extensive burn cases is 0.0024 percent of 9.5 million cases. In the domain of DRG 472, weighting the nation's much lower charge with Utah's relative mix lowers the Hospital Charge Index for the rest of the nation relative to Utah. However, the nation's mix in general is much more concentrated in lower charge DRGs and weighting the nation's charges with Utah's relative case mix raises the national average charge from \$8,115 to \$9,037. If, on the other hand, Utah's charges had been weighted at the mix of cases found in the rest of the nation, Utah's average would have fallen from \$6,966 to approximately \$6,265, and the Hospital Charge Index for the rest of the nation computed on this basis would be 129.5 (\$8,115 divided by \$6,265 times 100).

When the rest of the nation is compared to Utah by Utah's mix of cases, the result is little different from the index derived with the standard of comparison being the mix in the rest of the nation. This insensitivity to index number type would not in general be expected to extend to comparisons of Utah with each of the other states. But the appropriate standard is Utah's mix of services, when comparing charges from other states to Utah's charges. There is a small element of distortion introduced with this formulation when small states are compared to Utah. When the other state reports no cases in a DRG, the Utah standard must be changed by imputing zero cases for that DRG in Utah. The index for Alaska of 148.4 is on a basis of 37,267 Utah cases, since 586 of Utah's 37,853 cases occurred in DRGs where Alaska had no cases in 1989. These exclusions disproportionately involved higher charge DRGs, since Utah's average fell from \$6,966 to \$6,901 (an imputed average of \$11,100 for the excluded 586 cases). But, even in this extreme case of excluded cases, the distortion is quite small. If, in contrast to Alaska's generally higher charges, the excluded DRGs had been imputed to Alaska at Utah's charges, 147.2 would have been the resulting value of the Alaska index.



Hospital Charge Comparisons

Figure 58 of ordered index values for states shows only seven states to have lower average charges than Utah, as measured by the Utah mix of cases. Of these seven states, Iowa, Washington, and Wisconsin have larger populations and more Medicare enrollees than Utah. One exceedingly interesting aspect of Figure 58 is the remarkable difference in charge levels within the United States. California and Pennsylvania, having average charges 70 percent higher than Utah's, make a large contribution to the fact that the nation's Hospital Charge Index is nearly 30 percent higher than Utah's.

The geographic placement of the states with low charges is also striking. With the exception of Maryland, the other ten of the 11 lowest charge states constitute a geographic band from the Great Lakes to the Pacific. The map shown in Figure 58 displays this array in distinct manner. Also apparent is the general fashion of average hospital charges increasing as one moves east or south. It is additionally of consequence for the average U.S. hospital charge that the population of the United States is more densely concentrated in the higher charge areas. The ten states in the low charge band hold less than 9 percent of the U.S. population and account in total for only 7 percent of the U.S. Medicare enrollment.

Inferential Limitations

Emphasis should be made of the fact that the charge data reported in the MEDPAR file are not the payment amounts allowed by Medicare. Rather they represent charges reported for hospital services in individual Medicare cases, which are required to be equal to charges made for the same services to non-Medicare patients. This requirement is enforced through an active audit program, and thus provides a high level of assurance that the hospital charges as measured in the Medicare program are an accurate measure of the magnitudes of charges in 1989. The charges faced by the community using a hospital can reasonably be assumed to differ from the Medicare charges only to the extent that the non-Medicare population demands a different mix of services from that provided to the Medicare patients.

The actual payments received by a hospital for providing services to Medicare enrollees are generally less than the charges reported for the services. Medicare payment amounts are structured by formulas relating payment levels to factors such as hospital size, teaching or research activity, and area wage levels. The participating hospital necessarily accepts the Medicare payment as compensation in full for the services provided the enrolled patient, regardless of what a particular hospital may believe about the correspondence between its costs, its charge structure, and the payments obtained.

It is also important to note that a hospital's billed charges for non-Medicare patients do not necessarily reflect the actual payment that will be received by the hospital for the service. It is common practice for contracts between hospitals and medical insurance carriers to specify discounts from billed charges. Thus the payment actually received by the hospital from an insurance company may be substantially less than the billed charge. It is quite possible that the average discount may vary systematically among regions for reasons having to do with traditional expectations and practices, but also possibly related to the relative market power of health care providers versus health care insurers in different regions. Therefore, circumspection should be observed in attempting to extend inferences derived from an analysis of Medicare charges to actual prices paid for hospital services generally.

Table 63
Charge Comparisons: 1989 Medicare Discharges
Average Charges of Other States
Relative to Utah Charges at Utah Mix of DRGs

| | Number of Admi | ssible | Average 1989 Charges of Other States | Average Utah | Other State Charge as |
|----------------------|-------------------|--------|---|-----------------|--------------------------|
| | Cases with Matchi | | Weighted by the | Charge Among | a Percentage |
| | Other State | Utah | Utah Mix of DRGs | Matching DRGs | of Utah Charg |
| Alaska | 4,845 | 37,267 | \$10,244 | \$6,901 | 148.4 |
| Arizona | 134,823 | 37,850 | \$9,024 | \$6,966 | 129.5 |
| Arkansas | 130,596 | 37,833 | \$7,031 | \$6,942 | 101.3 |
| California | 857,471 | 37,853 | \$11,987 | \$6,966 | 172.1 |
| Colorado | 90,978 | 37,835 | \$9,027 | \$6,942 | 130.0 |
| Connecticut | 110,328 | 37,831 | \$10,397 | \$6,942 | 149.8 |
| Delaware | 24,545 | 37,722 | \$8,952 | \$6,898 | 129.8 |
| District Of Columbia | 34,723 | 37,828 | \$15,039 | \$6,943 | 216.6 |
| Florida | 593,292 | 37,852 | \$10,287 | \$6,966 | 147.7 |
| Georgia | 254,436 | 37,843 | \$8,241 | \$6,941 | 118.7 |
| Hawaii | 23,702 | 37,817 | \$10,062 | \$6,941 | 145 |
| Idaho | 29,817 | 37,748 | \$6,331 | \$6,891 | 91.9 |
| Illinois | 419,807 | 37,852 | \$10,001 | \$6,966 | 143.6 |
| Indiana | 239,774 | 37,852 | \$7,512 | \$6,966 | 107.8 |
| Iowa | 125,509 | 37,840 | \$6,812 | \$6,926 | 98.4 |
| Kansas | 109,277 | 37,833 | \$7,558 | \$6,942 | 108.9 |
| Kentucky | 183,876 | 37,851 | \$7,895 | \$6,966 | 113.3 |
| Louisiana | 196,353 | 37,843 | \$9,058 | \$6,941 | 130.5 |
| Maine | 51,260 | 37,836 | \$8,079 | \$6,942 | 116.4 |
| Maryland | 173,437 | 37,831 | \$6,942 | \$6,926 | 100.2 |
| Massachusetts | 259,338 | 37,838 | \$9,610 | \$6,941 | 138.5 |
| Michigan | 344,822 | 37,853 | \$9,930 | \$6,966 | 142.5 |
| Minnesota | 152,169 | 37,848 | \$7,035 | \$6,966 | 101.1 |
| Mississippi | 141,879 | 37,836 | \$7,040 | \$6,942 | 101.4 |
| Missouri | 243,054 | 37,852 | \$8,803 | \$ 6,966 | 126.4 |
| Montana | 37,809 | 37,747 | \$6,560 | \$6,890 | 95.2 |
| Nebraska | 64,168 | 37,823 | \$7,526 | \$6,927 | 108.6 |
| Nevada | 33,845 | 37,734 | \$12,621 | \$6,906 | 182.8 |
| New Hampshire | 35,819 | 37,741 | \$8,517 | \$6,891 | 123.6 |
| New Jersey | 303,771 | 37,838 | \$7,087 | \$6,941 | 102.1 |
| New Mexico | 47,943 | 37,823 | \$8,027 | \$6,941 | 115.6 |
| New York | 669,670 | 37,852 | \$9,540 | \$6,966 | 137.0 |
| North Carolina | 242,882 | 37,838 | \$7,627 | \$ 6,941 | 109.9 |
| North Dakota | 36,956 | 37,812 | \$6,981 | \$6,929 | 100.8 |
| Ohio | 455,033 | 37,842 | \$8,288 | \$6,941 | 119.4 |
| Oklahoma | 143,208 | 37,844 | \$7,602 | \$6,967 | 109.1 |
| Oregon | 10,298 | 37,841 | \$7,272 | \$6,967 | 104.4 |
| Pennsylvania | 409,951 | 37,852 | \$11,828 | \$6,966 | 169.8 |
| Rhode Island | 44,063 | 37,744 | \$7,79 0 | \$6,891 | 113.0 |
| South Carolina | 108,793 | 37,832 | \$8,452 | \$ 6,942 | 121.8 |
| South Dakota | 35,530 | 37,756 | \$6,478 | \$6,89 1 | 94.0 |
| Tennessee | 261,555 | 37,852 | \$8,462 | \$6,966 | 121.5 |
| Texas | 558,403 | 37,853 | \$8,862 | \$6,966 | 127.2 |
| Utah | 37,853 | 37,853 | \$6,966 | \$6,966 | 100.0 |
| Vermont | 18,913 | 37,787 | \$7,767 | \$6,927 | 112.1 |
| Virginia | 22,146 | 37,849 | \$8,554 | \$6,966 | 122.8 |
| Washington | 145,050 | 37,837 | \$6,784 | \$6,941 | 97.7 |
| West Virginia | 99,942 | 37,837 | \$8,013 | \$6,941 | 115.4 |
| Wisconsin | 207,709 | 37,842 | \$6,511 | \$6,941 | 93.8 |
| Wyoming | 14,339 | 37,709 | \$6,567 | \$6,891 | 95.3 |
| United States | 9,503,845 | 37,853 | \$9,037 | \$6,966 | 129.7 |

Source: Medicare Cases: Data from Lewin/ICF tapes provided to Intermountain Health Care, Inc. of Salt Lake City. Index of Hospital Charges: Calculated from LEWIN/ICF data by staff of IHC as described in the text.

THE 1990 CENSUS: AN ECONOMIC AND SOCIAL PORTRAIT OF UTAH

No other source provides the broad variety of data, from the city block level to the national level, than the U.S. Decennial Census does. During 1992, tapes, compact diskettes and publications became available from the U.S. Bureau of the Census containing income, labor force, poverty, educational attainment and other statistics. This information provides not only a portrait of a place, race, age group or other group information at one point in time, but it can also be used to determine changes from previous decennial Censuses and to draw relative comparisons.

In 1990, a Census questionnaire was received by each household in the U.S. From it, population, race and housing data were gathered pertaining to April 1, 1990. About one in every six households received the longer questionnaire, which asked additional questions about income, employment, ancestry and more. Income questions pertained to the calendar year 1989. Labor force questions applied to persons 16 years and over. The educational attainment information provided herein was applicable to persons 25 years and over (Figure 59).

Utah's Income Ranking Among States

Per capita income (1989 total income divided by April 1, 1990 total population) is relatively low in Utah (46th, including Washington, D.C.) due to the highest number of persons per household (3.15) in the nation. While Utah's median household and median family income rankings are more favorable (21st and 26th respectively), median household and median family income are still below the national average. In 1989, median family income in Utah was \$33,246, meaning that one-half of the families earned less than \$33,246 while the other half earned more. Median household income was \$29,470. Because single-person households are included in the determination of household income and not family income, it tends to be lower for a given area (Table 64 and Figure 60).

Nationally, median household income grew about 79 percent from 1979 to 1989. But, when adjusted for inflation, the real growth was 6.5 percent. Real growth in Utah was -.5 percent, virtually unchanged from 1979 and placing the state at 32nd for growth.

Income Distribution

Utah's distribution of income is not strikingly different from the nation's, according to household income figures shown in Figure 60 and Table 66. Utah has a lower percentage of households receiving income of less than \$10,000 and more than \$50,000 than the United States. Utah's combination of fewer very poor, fewer very rich and a concentration of households in the middle-income ranges results in median household income of \$586 less than the U.S. (Table 66 and Figure 60). Utah household income by source is shown in Table 68.

Utah: First in Family Households

In Utah, 88.5 percent of all persons live in family households, which is the nation's highest percentage. Utah is also first for children (under the age of 18) who live in married-couple families. Conversely, 12.5 percent of the state's children live in households with no spouse present, placing it 51st in the nation. Of those 65 years and over, 69.4 percent live in family households in Utah. The state therefore ranks third, behind Arizona and Hawaii, and ahead of Florida in persons age 65 and older residing in family households (Table 65).

Poverty

National poverty thresholds, which vary as a function of the number of persons in each household and other considerations, are established by the U.S. Office of Management and Budget. In 1989, the weighted average threshold for a family of four was \$12,674. Of Utahns, 192,415 were below the poverty threshold, or that level considered "poverty level" in 1989, which was 11.4 percent of the state total. The U.S. rate was 13.1 percent. Poverty status is not determined for institutionalized persons, persons in military group quarters, persons in college dormitories and unrelated individuals under 15 years old (e.g., foster children). Poverty rates in Utah and the U.S. are higher for non-whites, female householders with children and unrelated persons living together.

Poverty exists in every county in Utah, in both cities and in rural areas. While Utah does not have large ghettos, very high rates of poverty are found among Native Americans on reservations. For example, the poverty rate on the Goshute Reservation was 100 percent in 1989. While the state's per capita income was a relatively low \$11,029, it was \$3,572 for the 5,252 Native Americans on the Navajo Reservation. Also characteristic of reservations are high rates of unemployment and low levels of educational attainment. These figures and additional data for reservations are shown in Table 71.

Poverty Changes

In the past four decennial Censuses, Utah's rate of poverty for all persons has been below the national average. But, between 1979 and 1989, the number of persons in poverty increased by 30.0 percent in Utah while the U.S. rate increased by 15.9 percent. Utah's increase in poverty also exceeded the nation's for all families (30.6 and 14.4 percent, respectively) and female-headed families (51.6 and 30 percent, respectively). For persons over 65 years of age however, Utah's rate of growth was only 2.5 percent while nationally it was 5.6 percent (Table 67).

Utah Counties: The Highest and the Lowest Incomes

Summit County's income was the highest of any county in Utah in 1989 in terms of median household income (\$36,756), median family income (\$40,162) and per capita income (\$16,739). It also had the highest percentage of high-school graduates (91.6) and labor force participation (70.5 percent) and the second-lowest rate of poverty (7.2 percent). Median household income grew in Summit County by 12.0 percent during the 1980s, the state's third highest rate.

Home to the Utah portion of the Navajo reservation, San Juan County's income was the lowest of any Utah County in 1989 in terms of median household income (\$17,289), median family income (\$19,183) and per capita income (\$5,907). It also had the lowest percentage of high-school graduates (59.7), its poverty rate for all persons was the highest in the state (36.4 percent) and labor force participation rate (57.3 percent) ranked 25th. San Juan County has the highest number of children as a percentage of its population (43.3) of any county in the United States. These factors do not bode well economically for San Juan County: the next generation is growing up in poverty with little hope of significant change on the horizon (Tables 69, 70, 72, and 73, and Figures 61 and 62).

Cities, Towns and Census Designated Places

The Census Bureau geographically defines and names unincorporated areas of the state as Census Designated Places (CDPs). A CDP is the statistical counterpart of incorporated cities and towns. A CDP is densely populated and has boundaries which usually coincide with physical boundaries or are adjacent to incorporated places. Of the 50 most populous cities, towns and CDPs, Mt. Olympus CDP has the highest median household income of \$65,046. It also has the highest figures for educational attainment — over 97 percent of all persons 25 years and over have completed high school — and over half have bachelor's degrees or higher. Statistics for the 50 largest cities, towns and CDPs are shown in Table 74.

Data Problems

There are several reasons why Census data are not perfect:

- Respondents and Census enumerators may make errors.
- Some households never respond, even during the personal visits conducted during follow-up.
- Income, labor force and educational attainment questions were asked only of a sample of the population, therefore the data have been extrapolated to represent figures that would have been obtained from a complete count.

- Title 13 of the U.S. Code mandates that answers about specific individuals, households or housing units are not disclosed by the Census Bureau for 72 years. Therefore, an edit is applied to the data utilizing statistical tools to suppress, substitute or impute the information.
- Undercoverage occurred in certain areas.
- Errors may occur in processing.

In spite of the problems, decennial Census data are the most comprehensive available, and are comparable down to the city block for population, race and housing units, and block groups for all other data. These figures are invaluable to government and private entities for a variety of purposes including marketing, planning and many types of economic and demographic research.

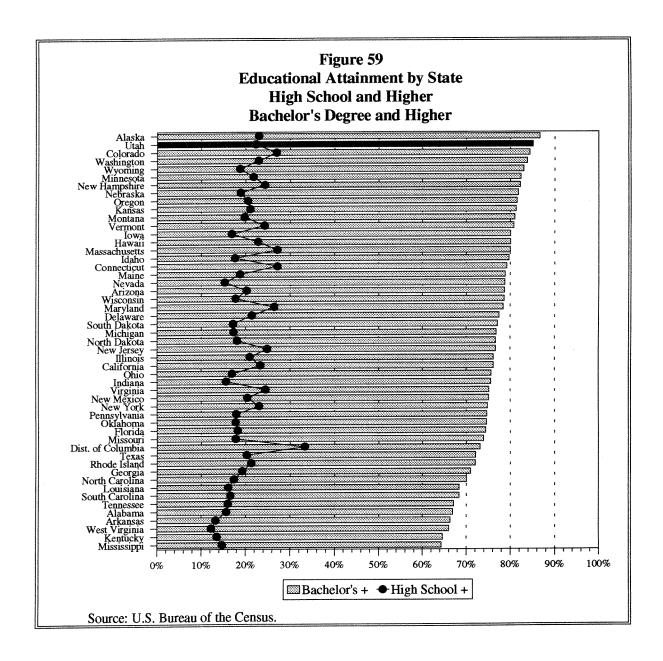


Table 64
Educational Attainment, Income, Poverty and Labor Force Participation Statistics
United States, States and the District of Columbia

| Place | High School Graduate & Higher | Rank | Bachelor's Degree & Higher | Rank | Median Household Income | Rank | Median Family Income | Rank | Per Capita Income | Rank | Poverty Rate for Persons | Rank | Labor Force Participation | Rank |
|------------------------------|-------------------------------------|----------|----------------------------------|----------|-------------------------------|----------|----------------------------|------------|----------------------|-----------|--------------------------------|----------|---------------------------------|----------|
| United States | 75.2% | | 20.3% | | \$30,056 | | \$35,225 | M division | \$14,420 | | 13.1% | | 65.3% | |
| Alabama | 66.9% | 47 | 15.7% | 45 | \$23,597 | 42 | \$28,688 | 42 | \$11,486 | 40 | 18.3% | 7 | 61.1% | 45 |
| Alaska | 86.6% | 1 | 23.0% | 12 | 41,408 | 2 | 46,581 | 3 | 17,610 | 5 | 9.0% | 44 | 74.7% | 1 |
| Arizona | 78.7% | 20 | 20.3% | 24 | 27,540 | 28 | 32,178 | 32 | 13,461 | 24* | 15.7% | 13 | 62.9% | 41 |
| Arkansas | 66.3% | 48 | 13.3% | 50 | 21,147 | 49 | 25,395 | 50 | 10,520 | 49* | 19.1% | 5 | 59.8% | 48 |
| California | 76.2% | 29 | 23.4% | 10 | 35,798 | 8 | 40,559 | 8 | 16,409 | 8 | 12.5% | 25 | 67.0% | 20 5 |
| Colorado | 84.4% | 3 | 27.0% | 4 | 30,140 | 19 | 35,930 | 18 | 14,821 | 17 | 11.7% 6.8% | 29 50 | 70.3% 69.0% | 9 |
| Connecticut | 79.2% | 17 | 27.2% | 3 | 41,721 | 1 9 | 49,199 40,252 | 1 9 | 20,189 15,854 | 1 10 | 8.7% | 46 | 68.3% | 12 |
| Delaware | 77.5% | 23 | 21.4% 33.3% | 17 1 | 34,875 30,727 | 18 | 36,256 | 17 | 18,881 | 2 | 16.9% | 9 | 66.3% | 24 |
| Dist. of Columbia | 73.1% 74.4% | 39 37 | 33.3% 18.3% | 30 | 27,483 | 29 | 32,212 | 31 | 14,698 | 18 | 12.7% | 23 | 60.4% | 47 |
| Florida | 70.9% | 42 | 19.3% | 26 | 29,021 | 24 | 33,529 | 25 | 13,631 | 22 | 14.7% | 16 | 67.9% | 14 |
| Georgia Hawaii | 80.1% | 14 | 22.9% | 14 | 38,829 | 5 | 43,176 | 6 | 15,770 | 11 | 8.3% | 48 | 70.4% | 4 |
| Idaho | 79.7% | 16 | 17.7% | 36 | 25,257 | 39 | 29,472 | 40 | 11,457 | 41 | 13.3% | 19 | 65.5% | 32 |
| Illinois | 76.2% | 28 | 21.0% | 20 | 32,252 | 12 | 38,664 | 12 | 15,201 | 14 | 11.9% | 27 | 66.4% | 23 |
| Indiana | 75.6% | 31 | 15.6% | 46 | 28,797 | 25 | 34,082 | 24 | 13,149 | 29 | 10.7% | 38 | 65.9% | 30 |
| Iowa | 80.1% | 13 | 16.9% | 41 | 26,229 | 37 | 31,659 | 34 | 12,422 | 35 | 11.5% | 30 | 66.0% | 28 |
| Kansas | 81.3% | 10 | 21.1% | 19 | 27,291 | 30 | 32,966 | 27 | 13,300 | 27 | 11.5% | 31 | 66.8% | 21 |
| Kentucky | 64.6% | 50 | 13.6% | 49 | 22,534 | 46 | 27,028 | 47 | 11,153 | 44 | 19.0% | 6 | 60.5% | 46 |
| Louisiana | 68.3% | 44 | 16.1% | 43 | 21,949 | 48 | 26,313 | 48 | 10,635 | 48 | 23.6% | 2 | 59.3% | 50 |
| Maine | 78.8% | 18 | 18.8% | 29 | 27,854 | 27 | 32,422 | 28 | 12,957 | 31 | 10.8% 8.3% | 36 47 | 65.6% 70.6% | 31 3 |
| Maryland | 78.4% | 22 | 26.5% | 5 | 39,386 | 4 | 45,034 44,367 | 4 5 | 17,730 17,224 | 4 | 8.9% | 45 | 67.8% | 15 |
| Massachusetts | 80.0% | 15 | 27.2% 17.4% | 38 | 36,952 31,020 | 15 | 36,652 | 16 | 14,154 | 20 | 13.1% | 20 | 64.1% | 36 |
| Michigan | 76.8% | 25 6 | 21.8% | 16 | 30,909 | 17 | 36,916 | 14 | 14,134 | 19 | 10.2% | 40 | 69.7% | 7 |
| Minnesota Mississippi | 82.4% 64.3% | 51 | 14.7% | 48 | 20,136 | 51 | 24,448 | 51 | 9,648 | 51 | 25.2% | 1 | 59.7% | 49 |
| Missouri | 73.9% | 38 | 17.8% | 33 | 26,362 | 35 | 31,838 | 33 | 12,989 | 30 | 13.3% | 18 | 64.5% | 34 |
| Montana | 81.0% | 11 | 19.8% | 25 | 22,988 | 45 | 28,044 | 44 | 11,213 | 43 | 16.1% | 11 | 63.7% | 38 |
| Nebraska | 81.8% | 8 | 18.9% | 27 | 26,016 | 38 | 31,634 | 35 | 12,452 | 34 | 11.1% | 33 | 68.3% | 11 |
| Nevada | 78.8% | 19 | 15.3% | 47 | 31,011 | 16 | 35,837 | 19 | 15,214 | 13 | 10.2% | 41 | 70.3% | 6 |
| New Hampshire | 82.2% | 7 | 24.4% | 8 | 36,329 | 7 | 41,628 | 7 | 15,959 | 9 | 6.4% | 51 | 71.9% | 2 |
| New Jersey | 76.7% | 27 | 24.9% | 6 | 40,927 | 3 | 47,589 | 2 | 18,714 | 3 | 7.6% | 49 | 67.4% | 19 |
| New Mexico | 75.1% | 33 | 20.4% | 22 | 24,087 | 41 | 27,623 | 45 | 11,246 | 42 | 20.6% | 3 | 62.8% | 42 |
| New York | 74.8% | 34 | 23.1% | 11 | 32,965 | 11 | 39,741 | 10 | 16,501 | 7 | 13.0% | 21 | 63.6% | 39 |
| North Carolina | 70.0% | 43 | 17.4% | 37 | 26,647 | 34 | 31,548 | 37 | 12,885 | 33 | 13.0% | 22 | 67.6% | 17 |
| North Dakota | 76.7% | 26 | 18.1% | 31 | 23,213 | 44 | 28,707 | 41 | 11,051 | 45 | 14.4% | 17 | 65.3% | 33 |
| Ohio | 75.7% | 30 | 17.0% | 40 | 28,706 | 26 43 | 34,351 28,554 | 23 43 | 13,461 11,893 | 24* 39 | 12.5% 16.7% | 24 10 | 63.5% 62.5% | 40 43 |
| Oklahoma | 74.6% | 36 9 | 17.8% 20.6% | 34 21 | 23,577 27,250 | 31 | 32,336 | 29 | 13,418 | 26 | 12.4% | 26 | 64.4% | 35 |
| Oregon | 81.5% 74.7% | 35 | 17.9% | 32 | 27,230 | 23 | 34,856 | 29 | 14,068 | 21 | 11.1% | 34 | 61.7% | 44 |
| Pennsylvania Rhode Island | 74.7% | 41 | 21.3% | 18 | 32,181 | 13 | 39,172 | 11 | 14,981 | 15 | 9.6% | 43 | 66.1% | 26 |
| South Carolina | 68.3% | 45 | 16.6% | 42 | 26,256 | 36 | 30,797 | 38 | 11,897 | 38 | 15.4% | 15 | 66.0% | 27 |
| South Dakota | 77.1% | 24 | 17.2% | 39 | 22,503 | 47 | 27,602 | 46 | 10,661 | 47 | 15.9% | 12 | 66.2% | 25 |
| Tennessee | 67.1% | 46 | 16.0% | 44 | 24,807 | 40 | 29,546 | 39 | 12,255 | 37 | 15.7% | 14 | 64.0% | 37 |
| Texas | 72.1% | 40 | 20.3% | 23 | 27,016 | 33 | 31,553 | 36 | 12,904 | 32 | 18.1% | 8 | 66.0% | 29 |
| Utah | 85.1% | 2 | 22.3% | 15 | 29,470 | 21 | 33,246 | 26 | 11,029 | 46 | 11.4% | 32 | 68.0% | 13 |
| Vermont | 80.8% | 12 | 24.3% | 9 | 29,792 | 20 | 34,780 | 22 | 13,527 | 23 | 9.9% | 42 | 69.4% | 8 |
| Virginia | 75.2% | 32 | 24.5% | 7 | 33,328 | 10 | 38,213 | 13 | 15,713 | 12 | 10.2% | 39 | 68.9% | 10 |
| Washington | 83.8% | 4 | 22.9% | 13 | 31,183 | 14 | 36,795 | 15 | 14,923 | 16 | 10.9% | 35 | 66.7% | 22 |
| West Virginia | 66.0% | 49 | 12.3% | 51 | 20,795 | 50 | 25,602 | 49 | 10,520 | 49* | 19.7% | 4 | 53.0% | 51 |
| Wisconsin | 78.6% | 21 | 17.7% | 35 | 29,442 | 22 | 35,082 | 20 | 13,276 | 28 | 10.7% | 37 | 67.6% | 18 |
| Wyoming | 83.0% | 5 | 18.8% | 28 | 27,096 | 32 | 32,216 | 30 | 12,311 | 36 | 11.9% | 28 | 67.7% | 16 |

Sources: U.S. Bureau of the Census and Utah Office of Planning and Budget.

Notes: A * denotes a tie in ranking. Income and poverty figures are for 1989. Education and labor force statistics are for 1990. Education figures apply to persons 25 years and over. Labor force participation rates apply to persons 16 years and over.

Table 65
Population in Family Households
United States, States and the District of Columbia

| | All Persons | ; | | Person | ns Under Age | 18 | | | Persons 65 | Years and Ov | ver |
|------------------------|------------------------|------------------------------------|----------|----------------------|----------------------------------|----------|------------------------------------|----------|----------------------|------------------------------------|---------|
| Place | Total | Percent in Family Households | Rank | Total | Married- Couple Households | Rank | No-Spouse Present Households | Rank | Total | Percent in Family Households | Rank |
| United States | 248,709,873 | 83.7% | | 63,604,432 | 70.2% | | 20.2% | | 31,241,831 | 64.1% | |
| | 4.040.507 | 06.20 | 2 | 1 050 700 | 66.7% | 44 | 21.6% | 9 | 522,989 | 64.5% | 19 |
| Alabama | 4,040,587 | 86.3% | 3 | 1,058,788 | | | ! | | 22,369 | 66.2% | 10 |
| Alaska | 550,043 3,665,228 | 82.7% 82.9% | 38 34 | 172,344 981,119 | 73.9% 68.9% | 16 37 | 18.4% 20.9% | 33 15 | 478,774 | 69.5% | 2 |
| Arizona Arkansas | 2,350,725 | 85.9% | 6 | 621,131 | 69.4% | 33 | 20.3% | 21 | 350,058 | 63.4% | 25 |
| California | 29,760,021 | 82.8% | 37 | 7,750,725 | 67.9% | 42 | 20.0% | 22 | 3,135,552 | 66.0% | 12 |
| Colorado | 3,294,394 | 81.1% | 47 | 861,266 | 73.3% | 18 | 19.9% | 24 | 329,443 | 63.7% | 24 |
| Connecticut | 3,287,116 | 83.1% | 29 | 749,581 | 72.5% | 22 | 20.0% | 23 | 445,907 | 63.9% | 21 |
| Delaware | 666,168 | 83.3% | 26 | 163,341 | 69.2% | 36 | 20.6% | 19 | 80,735 | 65.2% | 14 |
| Dis. of Columbia | 606,900 | 66.3% | 51 | 117,092 | 33.6% | 51 | 38.7% | 1 | 77,847 | 52.0% | 51 |
| Florida | 12,937,926 | 82.0% | 43 | 2,866,237 | 65.8% | 47 | 22.4% | 7 | 2,369,431 | 68.8% | 4 |
| Georgia | 6,478,216 | 84.9% | 15 | 1,727,303 | 65.8% | 46 | 22.6% | 5 | 654,270 | 64.5% | 18 |
| Hawaii | 1,108,229 | 85.2% | 14 | 280,126 | 69.4% | 34 | 14.9% | 48 | 125,005 | 77.6% | 1 |
| Idaho | 1,006,749 | 85.8% | 9 | 308,405 | 80.3% | 3 | 14.3% | 49 | 121,265 | 66.2% | 9 |
| Illinois | 11,430,602 | 84.0% | 21 | 2,946,366 | 70.0% | 32 | 20.6% | 18 | 1,436,545 | 62.4% | 33 |
| Indiana | 5,544,159 | 84.4% | 19 | 1,455,964 | 73.4% | 17 | 18.6% | 32 | 696,196 | 61.7% | 36 |
| Iowa | 2,776,755 | 82.4% | 40 | 718,880 | 79.1% | 6 | 15.8% | 46 | 426,106 | 59.4% | 48 |
| Kansas | 2,477,574 | 82.9% | 32 | 661,614 | 77.2% | 10 | 16.8% | 41 | 342,571 | 60.8% | 43 |
| Kentucky | 3,685,296 | 85.9% | 8 | 954,094 | 72.8% | 21 | 18.8% | 30 | 466,845 | 62.5% | 31 |
| Louisiana | 4,219,973 | 86.0% | 5 | 1,227,269 | 62.4% | 49 | 25.3% | 3 | 468,991 | 62.9% | 29 |
| Maine | 1,227,928 | 82.9% | 35 | 309,002 | 75.4% | 14 | 18.3% | 36 | 163,373 | 61.3% | 39 |
| Maryland | 4,781,468 | 84.0% | 22 | 1,162,241 | 67.5% | 43 | 20.8% | 17 | 517,482 | 66.0% | 11 |
| Massachusetts | 6,016,425 | 80.8% | 48 | 1,353,075 | 72.1% | 24 | 20.9% | 16 | 819,284 | 61.4% | 38 |
| Michigan | 9,295,297 | 84.7% | 17 | 2,458,765 | 69.2% | 35 | 22.5% | 6 | 1,108,461 | 63.9% | 22 |
| Minnesota | 4,375,099 | 82.2% | 42 | 1,166,783 | 79.3% | 4 | 16.2% | 43 | 546,934 | 59.4% | 47 |
| Mississippi | 2,573,216 | 86.9% | 2 | 746,761 | 60.2% | 50 | 25.9% | 2 | 321,284 | 63.1% | 28 |
| Missouri | 5,117,073 | 83.5% | 25 | 1,314,826 | 72.1% | 25 | 19.5% | 25 | 717,681 | 60.5% | 44 |
| Montana | 799,065 | 82.9% | 31 | 222,104 | 75.9% | 13 | 17.8% | 39 | 106,497 | 61.1% | 42 |
| Nebraska | 1,578,385 | 82.9% | 33 | 429,012 | 79.3% 68.6% | 5 38 | 15.8% | 45 | 223,068 | 59.3% 66.6% | 49 6 |
| Nevada | 1,201,833 | 80.6% | 50 | 296,948 | ! | | 21.1% | 11 | 127,631 | l | |
| New Hampshire | 1,109,252 7,730,188 | 83.1% 85.6% | 28 10 | 278,755 1,799,462 | 79.0% 71.7% | 7 29 | 15.1% 18.6% | 47 31 | 125,029 1,032,025 | 63.1% 66.6% | 27 7 |
| New Jersey | 1,515,069 | 85.9% | 7 | 1,799,462 446,741 | 68.5% | 39 | 21.4% | 10 | 163,062 | 67.9% | 5 |
| New Mexico New York | 17,990,455 | 83.9% 82.5% | 39 | 4,259,549 | 66.0% | 45 | 23.4% | 4 | 2,363,722 | 62.3% | 35 |
| North Carolina | 6,628,637 | 83.9% | 23 | 1,606,149 | 68.3% | 41 | 20.9% | 14 | 804,341 | 65.1% | 16 |
| North Dakota | 638,800 | 82.3% | 41 | 175,385 | 82.2% | 2 | 14.2% | 50 | 91,055 | 59.3% | 50 |
| Ohio | 10,847,115 | 84.5% | 18 | 2,799,744 | 71.7% | 30 | 20.3% | 20 | 1,406,961 | 62.4% | 32 |
| Oklahoma | 3,145,585 | 84.2% | 20 | 837,007 | 72.0% | 28 | 19.4% | 28 | 424,213 | 61.2% | 40 |
| Oregon | 2,842,321 | 81.8% | 44 | 724,130 | 72.4% | 23 | 19.5% | 27 | 391,324 | 65.0% | 17 |
| Pennsylvania | 11,881,643 | 83.6% | 24 | 2,794,810 | 72.9% | 20 | 18.3% | 35 | 1,829,106 | 63.3% | 26 |
| Rhode Island | 1,003,464 | 81.6% | 45 | 225,690 | 72.1% | 26 | 21.0% | 13 | 150,547 | 61.6% | 37 |
| South Carolina | 3,486,703 | 85.4% | 12 | 920,207 | 65.1% | 48 | 21.8% | 8 | 396,935 | 66.5% | 8 |
| South Dakota | 696,004 | 83.0% | 30 | 198,462 | 78.0% | 9 | 16.1% | 44 | 102,331 | 59.6% | 46 |
| Tennessee | 4,877,185 | 85.3% | 13 | 1,216,604 | 68.4% | 40 | 21.0% | 12 | 618,818 | 64.3% | 20 |
| Texas | 16,986,510 | 85.4% | 11 | 4,835,839 | 70.4% | 31 | 18.9% | 29 | 1,716,576 | 65.1% | 15 |
| Utah | 1,722,850 | 88.5% | 1 | 627,444 | 82.8% | 1 | 125% | 51 | 149,958 | 69.4% | 3 |
| Vermont | 562,758 | 80.6% | 49 | 143,083 | 75.9% | 12 | 18.4% | 34 | 66,163 | 60.3% | 45 |
| Virginia | 6,187,358 | 82.8% | 36 | 1,504,738 | 72.0% | 27 | 18.1% | 37 | 664,470 | 65.7% | 13 |
| Washington | 4,866,692 | 81.5% | 46 | 1,261,387 | 73.1% | 19 | 19.5% | 26 | 575,288 | 63.9% | 23 |
| West Virginia | 1,793,477 | 86.0% | 4 | 443,577 | 74.7% | 15 | 17.4% | 40 | 268,897 | 62.7% | 30 |
| Wisconsin | 4,891,769 | 83.2% | 27 | 1,288,982 | 76.2% | 11 | 18.1% | 38 | 651,221 | 61.1% | 41 |
| Wyoming | 453,588 | 84.7% | 16 | 135,525 | 78.3% | 8 | 16.3% | 42 | 47,195 | 62.3% | 34 |

Figure 60 1989 Households by Income Group Utah and the United States

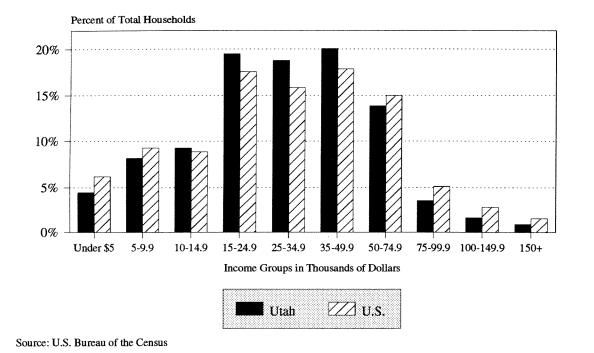


Table 66
1989 Household by Income Group
Utah and the United States

| | Utah | | United S | States |
|---|---|--|--|--|
| Income Group | Households | Percent of Total | Households | Percent of Total |
| Under \$5,000 \$5,000-9,999 \$10,000-14,999 \$15,000-24,999 \$25,000-34,999 \$35,000-49,999 \$50,000-74,999 \$75,000-99,999 \$100,000-149,999 Over \$150,000 | 23,914 43,891 49,726 104,664 100,655 107,616 74,290 18,939 8,725 4,776 | 4.5% 8.2% 9.3% 19.5% 18.7% 20.0% 13.8% 3.5% 1.6% 0.9% | 5,684,517 8,529,980 8,133,273 16,123,742 14,575,125 16,428,455 13,777,883 4,704,808 2,593,768 1,442,031 | 6.2% 9.3% 8.8% 17.5% 15.8% 17.9% 15.0% 5.1% 2.8% 1.6% |
| Total Households: Median Household Income: | 537,196 \$29,470 | 100.0% | 91,993,582 \$30,056 | 100.0% |

Table 67
Changes in Utah and U.S. Labor Force Participation and Poverty: 1980 and 1990 Censuses

| | 1 | 1990 | | | 1980 | | 1980 | -90 |
|-------------------------------------|------------------|----------------|----------------|-------------------|----------------|----------------|----------------|-----------|
| | | Utah | U.S. | | Utah | U.S. | Utah | U.S. |
| Labor Force Participation | | Percent | Percent | | Percent | Percent | | |
| (ages 16 and over) | Utah | of Total | of Total | Utah | of Total | of Total | Change | Change |
| | 704 501 | 68.0% | 65.3% | 626,709 | 64.3% | 62.0% | 25.2% | 18.0% |
| Total Labor Force | 784,501 | 77.8% | 74.4% | 379,746 | 79.8% | 75.1% | 25.2% 15.6% | 11.5% |
| Males | 438,899 | | 74.4% 56.8% | 246,963 | 49.5% | 73.1% 49.9% | 39.9% | 26.9% |
| Females | 345,602 | 58.6% 76.2% | 75.0% | 246,963 55,339 | 49.5% 64.5% | 63.0% | 52.6% | 15.3% |
| with children 6-17 | 84,474 | | 59.7% | 49,346 | 37.4% | 45.7% | 54.3% | 46.2% |
| with children under 6 | 76,130 | 57.0% | 39.7% | 49,340 | 31,4% | 43.7% | 34.3% | 40.2% |
| | | 1989 | | | 1979 | | 1979 | 89 |
| | | Utah | U.S. | | Utah | U.S. | Utah | U.S. |
| | in | Percent | Percent | in | Percent | Percent | Percent | Percen |
| 2 | 1 - | | | | of total | of total | Change | Change |
| Poverty Status | Poverty | of total | of total | Poverty | OI TOTAL | OI TOTAL | Change | Change |
| All persons | 192,415 | 11.4% | 13.1% | 148,005 | 10.3% | 12.4% | 30.0% | 15.9% |
| Persons 65 years and over | 12,682 | 8.8% | 12.8% | 12,367 | 11.8% | 14.8% | 2.5% | 5.6% |
| Related persons under age 18 | 75,504 | 12.2% | 17.9% | 56,986 | 10.7% | 16.0% | 32.5% | 11.3% |
| Related persons under age 5 | 26,564 | 15.8% | 20.1% | | | | *** | |
| Unrelated persons | 55,232 | 30.6% | 24.2% | 42,527 | 30.3% | 25.1% | 29.9% | 29.3% |
| All families | 35,443 | 8.6% | 10.0% | 27,133 | 7.7% | 9.6% | 30.6% | 14.4% |
| with children under age 18 | 29,006 | 11.5% | 14.9% | 21,590 | 9.7% | 13.2% | 34.3% | 18.5% |
| with children under age 5 | 18,167 | 14.7% | 18.3% | | | | | |
| Female Householder Families | 14,210 | 30.3% | 31.1% | 9,372 | 28.0% | 30.3% | 51.6% | 30.0% |
| with children under age 18 | 13,234 | 38.9% | 42.3% | 8,790 | 35.7% | 40.3% | 50.6% | 29.0% |
| with children under age 5 | 7,485 | 57.1% | 57.4% | | | | | **** |
| with children under age 6 | 1 ,, | | | 5,686 | 51.9% | 55.6% | | |
| with emitten ander age o | | | | 5,000 | | 22.0% | | |
| te: The U.S. average poverty thresh | | | | | | | | |
| d\$12,674 in 1989an increase of 7 | 1.0%. In real 19 | 89 dollars, | the threshol | ld was \$12,42 | 3 in 1979 and | \$12,674 in | 1989an in | crease of |

Source: U.S. Bureau of the Census.

Table 68
1989 and 1979 Utah Household Income by Source

| | 1989 | | 1979 | | 1979-89 | Changes |
|--|---------------------|--------------------------|---------------------|--------------------------|------------------|----------------|
| Income Source | | Percent of Households | | Percent of Households | Total | Real Income |
| All Households | 537,273 | 100.0% | 449,524 | 100.0% | 19.5% | |
| Earnings: Average Income Earnings: Households | NA 455,142 | 84.7% | NA 390,405 | 86.8% | NA 16.6% | NA |
| Wage or Salary: Average Income Wage or Salary: Households | \$32,680 441,038 | 82.1% | \$19,088 375,868 | 83.6% | 71.2% 17.3% | 2.2% |
| Nonfarm Self-Employment: Average Income Nonfarm Self-Employment: Households | \$14,434 77,306 | 14.4% | \$11,074 52,583 | 11.7% | 30.3% 47.0% | -22.29 |
| Farm Self-Employment: Average Income Farm Self-Employment: Households | \$6,909 13,372 | 2.5% | \$5,039 14,501 | 3.2% | 37.1% -7.8% | -18.2% |
| Interest, Dividend or Net Rental: Average Income Interest, Dividend or Net Rental: Households | \$4,988 214,444 | 39.9% | \$2,383 183,320 | 40.8% | 109.3% 17.0% | 24.9% |
| Social Security: Average Income Social Security: Households | \$8,204 116,828 | 21.7% | \$4,202 89,055 | 19.8% | 95.2% 31.2% | 16.5% |
| Public Assistance: Average Income Public Assistance: Households | \$3,733 29,569 | 5.5% | \$2,390 21,548 | 4.8% | 56.2% 37.2% | -6.8% |
| Retirement: Average Income Retirement: Households | \$10,302 83,373 | 15.5% | NA NA | NA | NA NA | NA NA |
| Other Types of Income: Average Income Other Types of Income: Households | \$3,565 62,060 | 11.6% | \$4,031 108,696 | 24.2% | -11.6% -42.9% | -47.29 |

NA = Not Available.

Source: U.S. Bureau of the Census and Utah Office of Planning and Budget.

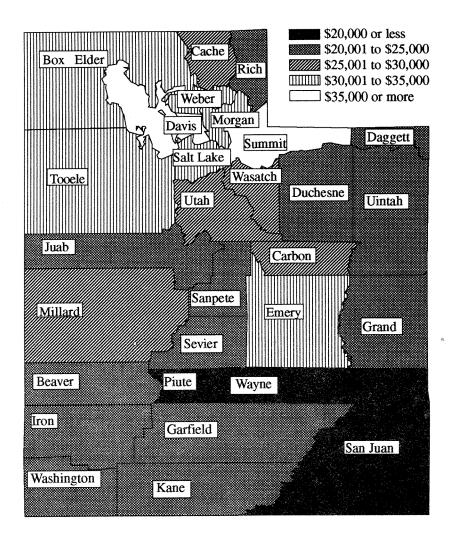
1989 and 1979 Median Household Income, Median Family Income and Per Capita Income State of Utah, Metropolitan Statistical Areas, and Counties Table 69

| | | | Median Household Income | usehold | Income | | | | Median | Median Family Income | Income | | | | Per (| Per Capita Income | 9 | |
|----------------------------------|------------------|--------------|-------------------------|--------------|-------------------|------------------------|-------------------|----------------|----------|----------------------|----------|--------|-------------------|----------|--------------|-------------------|--------------|-------------------|
| Place | 1989 | Size Rank | 1979 | Size Rank | 1979-89 Change | Real 1979 Income | 1979-89 Real C | Growth Rank | 1989 | Size Rank | 1979 | Size 1 | 1979-89 Change | 1989 | Size Rank | 1979 | Size Rank | 1979-89 Change |
| State of Utah | \$29,470 | I | \$17,671 | 1 | 66.8% | \$29,617 | -0.5% | | \$33,246 | ı | \$20,024 | l | %0.99 | \$11,029 | l | \$6,305 | l | 74.9% |
| Provo- Orem MSA Salt Lake- | \$27,432 | ! | \$16,197 | I | 69.4% | \$27,146 | 1.1% | ŀ | \$30,536 | į | \$17,768 | ļ | 71.9% | \$9,051 | 1 | \$5,199 | ; | 74.1% |
| Ogden MSA | \$30,882 | ļ | \$18,641 | I | 65.7% | \$31,242 | -1.2% | 1 | \$35,239 | 1 | \$21,017 | i | 67.7% | \$12,029 | l | \$6,816 | ! | 76.5% |
| Beaver | \$21,092 | 25 | \$12,755 | 24 | 65.4% | \$21,377 | -1.3% | 4 | \$25,000 | 23 | \$14,453 | 24 | 73.0% | \$8,558 | 20 | \$4,908 | 22 | 74.4% |
| Box Elder | 33,468 | 3 | 17,428 | 6 | 92.0% | 29,209 | 14.6% | 2 | 36,648 | 6 | 19,597 | 10 | 87.0% | 11,045 | | 8,798 | 11 | 90.5% |
| Cache Carbon | 26,949 25,555 | 13 | 14,902 20.149 | 19 | 80.8% | 24,976 33.770 | 7.9% | 9 | 31,562 | 9 0 | 17,236 | 18 | 83.1% | 9,544 | 12 | 5,401 | 17 | 76.7% |
| Daggett | 22,941 | 21 | 16,488 | 13 | 39.1% | 27,634 | -17.0% | 24 | 26,167 | 77 | 18,125 | 13 | 44.4% | 9,575 | , II | 5,662 | 13 | 69.1% |
| Davis | 35,108 | 2 | 20,862 | 7 | 68.3% | 34,965 | 0.4% | 12 | 38,050 | 2 | 21,948 | 6 | 73.4% | 11,611 | 4 | 6,275 | 7 | 85.0% |
| Duchesne | 23,653 | 17 | 17,345 | 10 | 36.4% | 29,070 | -18.6% | 25 | 26,491 | 1 50 | 18,808 | 12 | 40.8% | 8,197 | 25 | 5,531 | 4. | 48.2% |
| Garfield | 21,160 | 23 | 12,364 | 25 | 71.1% | 20,722 | 2.1% | 10 | 23.701 | 7 92 | 14.176 | 4 % | %0.00 67.7% | 9,237 | 4 6 | 3,896 | , ; | 57.0% |
| Grand | 21,695 | 22 | 17,163 | 12 | 26.4% | 28,765 | -24.6% | 29 | 26,500 | 19 | 19,523 | = | 35.7% | 668'6 | 2 | 6,495 | 2 | 52.4% |
| , | | | | ., | | | | | | | | | | | | | | |
| Iron | 23,185 | 20 | 14,471 | 20 | 60.2% | 24,253 | -4.4% | 17 | 27,283 | 18 | 16,726 | 20 | 63.1% | 8,539 | 21 | 5,158 | 20 | 65.5% |
| Juab | 23,569 | œ ; | 15,095 | 18 | 56.1% | 25,299 | -6.8% | 19 | 27,342 | 17 | 17,089 | 19 | %0.09 | 8,332 | 23 | 5,223 | 18 | 59.5% |
| Kane | 21,134 | 25 5 | 12,244 | 3 8 | 72.6% | 20,521 | 3.0% | o - | 24,904 | 25 5 | 14,103 | 56 | 76.6% | 8,721 | 16 | 4,528 | 78 | 92.6% |
| Morean | 33 274 | 7 7 | 20.882 | C7 - | 50.30% | 34 998 | 21.0% | 1 8 | 36.105 | 71 | 15,038 | 77 | 50.50 | 8,5/4 | 61 | 4,809 | Q ° | 18.3% |
| Piute | 19,125 | 78 | 11,420 | 78 | 67.5% | 19,140 | -0.1% | 13 | 22,273 | 27 | 12.819 | 78 | 73.7% | 8.160 | ° 2 | 4.893 | ۶ د | 66.8% |
| Rich | 24,940 | 14 | 16,142 | 15 | 54.5% | 27,054 | -7.8% | 20 | 28,333 | 14 | 17,757 | 15 | 59.6% | 8.610 | 8 | 5.821 | 10 | 47.9% |
| Salt Lake | 30,149 | 7 | 18,418 | ∞ | 63.7% | 30,869 | -2.3% | 16 | 34,699 | S | 21,064 | 7 | 64.7% | 12,222 | 2 | 7,013 | 2 | 74.3% |
| San Juan | 17,289 | 53 | 13,216 | 22 | 30.8% | 22,150 | -21.9% | 26 | 19,183 | 59 | 14,064 | 27 | 36.4% | 5,907 | 56 | 3,701 | 29 | 29.6% |
| Sanpete | 20,197 | 56 | 12,224 | 27 | 65.2% | 20,487 | -1.4% | 15 | 23,956 | 25 | 14,860 | 23 | 61.2% | 7,585 | 28 | 4,531 | 27 | 67.4% |
| Sevier | 23,300 | 19 | 15,733 | 16 | 48.1% | 26,369 | -11.6% | 23 | 27,986 | 15 | 17,404 | 17 | 98.09 | 8,615 | 17 | 5,481 | 15 | 57.2% |
| Summit | 36,756 | 1 | 19,577 | 9 | 87.8% | 32,811 | 12.0% | 3 | 40,162 | I | 21,410 | 5 | 82.6% | 16,739 | П | 8,454 | | 98.0% |
| Tooele | 30,178 | 9 | 19,682 | 2 | 53.3% | 32,987 | -8.5% | 21 | 33,507 | œ | 21,305 | 9 | 57.3% | 10,568 | 7 | 6,458 | 9 | 63.6% |
| Uintah | 23,968 | 19 | 18,555 | 7 | 29.2% | 31,098 | -22.9% | 27 | 26,489 | 71 | 20,026 | ∞ | 32.3% | 8,379 | 22 | 5,768 | 12 | 45.3% |
| Cuan | 27,432 | 0,7 | 16,197 | 4 1 | 69.4% | 27,146 | 1.1% | Ξ ' | 30,536 | Π | 17,768 | 4 | 71.9% | 9,051 | 15 | 5,199 | 19 | 74.1% |
| Wasatch | 27,981 | ر د | 15,519 | 17 | 80.3% | 26,010 | 7.6% | 7 | 30,132 | 13 | 17,659 | 16 | 70.6% | 10,722 | 9 | 5,466 | 16 | 96.2% |
| Washington Wavne | 24,602 | 15 | 13,507 | 27 % | 82.1% | 22,638 | 8.7% | 4 v | 27,690 | 92 | 15,466 | 21 | 79.0% | 9,450 | 13 | 4,869 | \$ 8 | 94.1% |
| Weber | 30.125 | , × | 17.287 | 3 = | 74.30% | 28.073 | 4.0% |) « | 34.464 | 0,7 | 10,740 | 67 | 24 500 | 760'1 | 17 | 6,013 | ۹ ۲ | 94.3% |
| | C71400 | , | 10711 | : | a.c.+, | 616,02 | ĝ. | ٥ | to:'t | 0 | 19,740 | λ | /4.3% | 11,037 | • | 6,383 | 4 | 10.1% |

The Prome Orm Methodism Statistics are 48 Air Uthodory: the Salt Ake-Aden As Ainde Salt Ake Avis of Wher or the Source: U.S. Bureau of the Census.

Notes: 1979 Real income figures, shown in 1989 dollars, are adjusted using CPI-U-XI inflation factor of 1.676.

Figure 61 Median Household Income Income in 1989



| STATE | \$29,470 | Grand | \$21,695 | Rich | \$24,940 | Salt Lake | \$30,149 |
|----------|----------|------------|----------|---------|----------|-----------|----------|
| San Juan | \$17,289 | | \$22,941 | Carbon | \$25,555 | Tooele | \$30,178 |
| Piute | \$19,125 | Iron | \$23,185 | Millard | \$26,376 | Emery | \$30,525 |
| Wayne | \$20,000 | Sevier | \$23,300 | Cache | \$26,949 | Morgan | \$33,274 |
| Sanpete | \$20,197 | Juab | \$23,569 | Utah | \$27,432 | Box Elder | \$33,468 |
| Beaver | \$21,092 | Duchesne | \$23,653 | Wasatch | \$27,981 | Davis | \$35,108 |
| Kane | \$21,134 | Uintah | \$23,968 | Weber | \$30,125 | Summit | \$36,756 |
| Garfield | \$21,160 | Washington | \$24.602 | | | | |

SOURCE: US Bureau of the Census, 1990 Census of Population & Housing. Map produced by Utah Office of Planning and Budget.

Table 70
Per Capita Income and Population by Race and Hispanic Origin State of Utah, Metropolitan Statistical Areas, and Counties

| | | | | can a can be the Charles can be and and can be | marrod o voc | The same of the sa | | | | | | |
|----------------------------------|----------------------|------------|----------------------|--|----------------------------|--|----------------------------|---------------|----------------------|------------|------------------------|------------|
| | White | 83 | Black | ìk | Am. Indian, Eskimo & Aleut | no & Aleut | Asian and Pacific Islander | ific Islander | Other Race | ace | Hispanic Origin* | rigin* |
| Place | Per Capita Income | Population | Per Capita Income | Population | Per Capita Income | Population | Per Capita Income | Population | Per Capita Income | Population | Per Capita Income F | Population |
| State of Utah | \$11,274 | 1,615,845 | \$8,385 | 11,576 | \$5,125 | 24,283 | \$8,284 | 33,371 | \$7,415 | 37,775 | \$7,398 | 84,597 |
| Provo- Orem MSA Salt Lake- | \$9,194 | 253,596 | \$2,875 | 374 | \$5,056 | 1,913 | \$5,781 | 3,958 | \$4,922 | 3,749 | \$5,550 | 8,488 |
| Ogden-MSA | \$12,300 | 1,000,082 | \$8,686 | 10,464 | \$6,668 | 8,337 | \$8,963 | 25,598 | \$7,825 | 27,746 | \$7,783 | 61,964 |
| Beaver | \$8,618 | 4,647 | % | S | \$6,711 | 39 | \$13,257 | 19 | \$4,319 | 55 | \$3,797 | 120 |
| Box Elder | 11,141 | 34,733 | 0 | 19 | 5,769 | 391 | 11,622 | 409 | 6,767 | 933 | 8,464 | 1,610 |
| Cache | 9,736 | 66,551 | 4,162 | 217 | 2,668 | 547 | 5,526 | 1,910 | 7,137 | 856 | 6,584 | 1,780 |
| Carbon Daggett | 10,358 | 19,060 | 11,741 | 62 | 5,761 | 150 | 7,107 | 116 | 3,000 | 840 | 7,294 | 2,247 |
| Davis | 11,766 | 178,391 | 8,361 | 2,355 | 6,488 | 1,114 | 9,371 | 3,263 | 869'8 | 2,818 | 8,648 | 7,275 |
| Duchesne | 8,432 | 11,807 | 6,967 | 10 | 5,265 | 999 | 4,408 | 39 | 4,040 | 125 | 4,268 | 350 |
| Emery | 6,360 | 10,127 | 12,393 | 4 | 6,149 | 4 | 4,176 | 36 | 4,177 | 121 | 4,253 | 219 |
| Garfield | 8,384 | 3,890 | 0 | | 4,034 | 73 | 3,374 | 00 | 3,619 | ∞ | 5,840 | 35 |
| Grand | 10,155 | 6,341 | 0 | 7 | 3,265 | 203 | 11,260 | 24 | 7,397 | \$4 | 6,744 | 291 |
| Iron | 8,713 | 19,922 | 1,708 | 43 | 4,651 | 635 | 6,019 | 86 | 7,185 | 91 | 6,836 | 382 |
| Juab | 8,438 | 5,680 | 0 | 2 | 4,225 | 85 | 0 | 10 | 735 | 40 | 1,935 | 73 |
| Kane | 8,928 | 5,032 | 0 | 5 | 1,726 | 77 | 1,136 | 25 | 3,180 | 30 | 6,467 | 101 |
| Millard | 8,705 | 10,798 | 0 | 5 | 4,429 | 184 | 4,869 | 105 | 5,781 | 244 | 4,482 | 402 |
| Morgan | 10,465 | 5,462 | 0 0 | 7 | 0 | ∞ ° | 2,391 | 15 | 12,350 | 36 | 11,055 | 78 |
| Piute Dich | 8,093 | 1,267 | 0 0 | o + | 21,994 | o - | 0 000 | \ | 0 | ٠ : | 3,873 | 15 |
| Salt Lake | 6,0,0 | 675 141 | 8 760 | 5 663 | 6,000 | 6111 | 0,094 | 30.035 | 808,C 7.773 | 500 01 | 7645 | 73,647 |
| San Juan | 8,835 | 5,501 | 18,520 | 11 | 3,571 | 6,859 | 9,878 | 40 | 4,142 | 210 | 4,132 | 440 |
| Sanpete | 7,743 | 15,539 | 1,750 | 11 | 4,954 | 131 | 2,506 | 246 | 5,015 | 332 | 4,604 | 260 |
| Sevier | 8.756 | 14.982 | c | 9 | 3.472 | 81.8 | 446 | 7.0 | \$ 572 | 86 | 4 669 | 280 |
| Summit | 16,714 | 15,304 | 0 | 18 | 9,517 | 99 | 46.410 | 78 | 080'9 | 52 | 10,450 | 326 |
| Tooele | 10,911 | 24,347 | 6,078 | 228 | 5,934 | 391 | 4,896 | 205 | 7,368 | 1,430 | 7,794 | 2,960 |
| Uintah | 8,912 | 19,537 | 4,441 | 6 | 4,371 | 2,335 | 9,146 | 82 | 4,531 | 248 | 4,523 | 691 |
| Utah | 9,194 | 253,596 | 2,875 | 374 | 5,056 | 1,913 | 5,781 | 3,958 | 4,922 | 3,749 | 5,550 | 8,488 |
| Wasatch | 10,773 | 6,937 | 3,500 | e. | 8,626 | 89 | 7,306 | 19 | 4,862 | 62 | 5,848 | 253 |
| Washington | 9,586 | 47,202 | 7,501 | 99 | 3,999 | 902 | 4,278 | 290 | 7,033 | 296 | 7,360 | 862 |
| Wayne | 7,801 | 2,123 | 0 017 | 2 446 | 2,903 | 40 | 2,175 | 2 2000 | 4,241 | 11 60 | 8,972 | 25 |
| 1909 | 11,002 | 140,330 | 0,017 | 074,4 | 907'9 | 1,112 | 11,198 | 7,300 | 0/5/ | 776'5 | 1,765 | 11,042 |

Note: the Provo-Orem Metropolitan Statistical Area (MSA) is Utah county; the Salt Lake-Ogden MSA includes Salt Lake, Davis and Weber counties. Source: U.S. Bureau of the Census.

Table 71
Educational Attainment, Income, Poverty and Labor Force Participation Statistics
American Indian Reservations in Utah

| | | * | Ame | erican Indian, I | Eskimo or A | leut | |
|--|--|--------------------------------------|--|----------------------------------|---|-------------------------------------|---|
| Reservation/ County | Total Population | Population | High School Graduate & Higher | Bachelor's Degree & Higher | Per Capita Income | Unemploy- ment Rate | Poverty Rate for Persons |
| State of Utah | 1,722,850 | 24,283 | 59.3% | 6.4% | \$5,125 | 20.7% | 43.6% |
| Goshute Juab Tooele | 76 37 39 5,500 | 75 36 39 5,252 | 54.3% 73.1% n/a 34.7% | 11.4% 15.4% n/a 4.4% | \$1,325 \$1,156 \$1,945 \$3,572 | 28.6% 28.6% n/a 39.0% | 100.0% 100.0% 100.0% |
| Navajo San Juan | 5,500 | 5,252 5,252 | 34.7% | 4.4% | \$3,572 | 39.0% | 57.0% |
| Paiute Iron Millard Sevier Washington | 645 295 52 50 248 | 323 144 50 44 85 | 45.5% 53.6% 100.0% n/a 26.8% | n/a n/a n/a n/a n/a | \$4,708 \$5,700 \$4,563 \$1,960 \$4,348 | 4.9% 8.5% n/a n/a n/a | 40.7% 31.2% n/a 92.3% 44.4% |
| Skull Valley Tooele | 32 32 | 32 32 | n/a n/a | n/a n/a | \$20,647 \$20,647 | n/a n/a | n/a n/a |
| Uintah and Ouray Carbon Duchesne Grand Uintah Utah Wasatch | 17,224 0 12,634 0 4,584 0 | 2,650 0 664 0 1,986 0 | 52.3% 58.8% 50.2% | 4.1% 7.9% 2.8% | \$4,520 \$5,265 \$4,267 | 28.6% 22.9% 30.6% | 46.3% 31.1% 51.2% |
| Ute Mountain San Juan Trust Land San Juan | 251 245 6 6 | 245 245 0 0 | 39.0% 39.0% | n/a n/a | \$4,304 \$4,304 | 32.7% 32.7% | 46.7% 46.7% |
| | <u> </u> | All Pe | rsons in the Sta | te of Utah | | | |
| State of Utah | 1,722,850 | | 85.1% | 22.3% | \$11,029 | 5.3% | 11.4% |

Source: U.S. Bureau of the Census.

Notes: Income and poverty figures are for 1989. Population, Educational attainment and unemployment statistics are for 1990. Education figures apply to persons 25 years and over. Unemployment figures are for persons 16 years and over. n/a = Not Available

Table 72
1979 and 1989 Poverty Rates for All Persons
United States, Utah, Metropolitan Statistical Areas and Counties

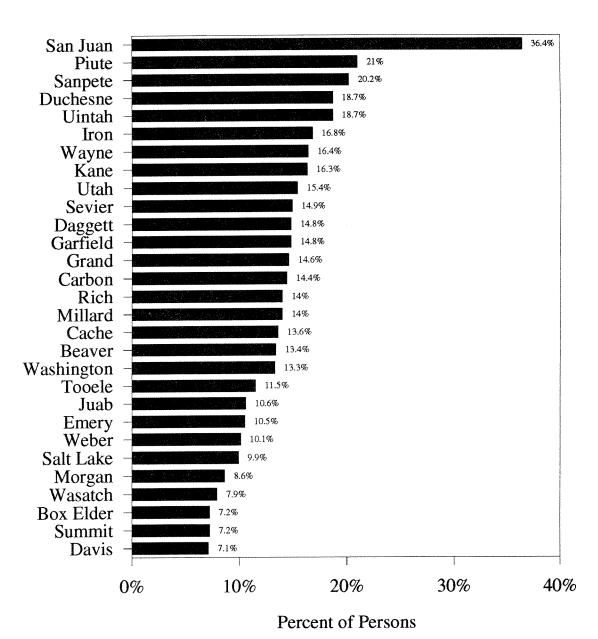
| Place | 1989 Persons in Poverty | Percent of Total | 1989 Rank | 1979 Persons in Poverty | Percent of Total | 1979 Rank | 1979-89 Change in Poverty | 1980-90 Change in Population |
|---|-------------------------------|------------------------|--------------|-------------------------------|------------------------|--------------|---------------------------------|------------------------------------|
| United States | 31,742,864 | 13.1% | | 27,392,580 | 12.4% | | 15.9% | 9.8% |
| State of Utah | 192,415 | 11.4% | | 148,005 | 10.3% | | 30.0% | 17.9% |
| Provo- Orem MSA Salt Lake- Ogden MSA | 39,100 99,667 | 15.4% 9.4% | | 32,435 77,431 | 15.4% 8.4% | | 20.5% 28.7% | 20.9% 17.8% |
| _ | | | 18 | | 14.3% | 9 | 1.1% | 8.8% |
| Beaver | 631 | 13.4% | | 624 | | | | |
| Box Elder | 2,629 | 7.2% | 27 | 2,665 | 8.2% | 24 12 | -1.4% 32.9% | 9.8% 22.7% |
| Cache | 9,353 | 13.6% | 17 | 7,035 | 12.7% | | | |
| Carbon | 2,858 | 14.4% | 14 | 1,546 | 7.1% | 27 | 84.9% | -8.8% |
| Daggett | 102 | 14.8% | 11 | 87 | 11.3% | 16 | 17.2% | -10.3% |
| Davis | 13,291 | 7.1% | 29 | 9,776 | 6.7% | 29 | 36.0% | 28.3% 0.6% |
| Duchesne | 2,350 | 18.7% | 4 | 1,555 | 12.5% | 13 | 51.1% | |
| Emery | 1,080 | 10.5% | 22 | 949 | 8.4% | 23 | 13.8% | -9.8% |
| Garfield | 583 | 14.8% | 12 | 434 | 12.0% | 15 | 34.3% | 8.4% |
| Grand | 956 | 14.6% | 13 | 899 | 11.0% | 18 | 6.3% | -19.7% |
| Iron | 3,380 | 16.8% | 6 | 2,499 | 14.5% | 8 | 35.3% | 19.8% |
| Juab | 604 | 10.6% | 21 | 679 | 12.4% | 14 | -11.0% | 5.2% |
| Kane | 836 | 16.3% | 8 | 695 | 17.3% | 3 | 20.3% | 28.5% |
| Millard | 1,569 | 14.0% | 16 | 1,326 | 14.9% | 7 | 18.3% | 26.3% |
| Morgan | 474 | 8.6% | 25 | 344 | 7.0% | 28 | 37.8% | 12.4% |
| Piute | 268 | 21.0% | 2 | 150 | 11.3% | 17 | 78.7% | -3.9% |
| Rich | 238 | 14.0% | 15 | 297 | 14.2% | 10 | -19.9% | -17.9% |
| Salt Lake | 70,625 | 9.9% | 24 | 52,772 | 8.6% | 22 | 33.8% | 17.3% |
| San Juan | 4,523 | 36.4% | 1 | 3,882 | 31.9% | 1 | 16.5% | 3.0% |
| Sanpete | 3,176 | 20.2% | 3 | 2,261 | 16.0% | 4 | 40.5% | 11.2% |
| Sevier | 2,259 | 14.9% | 10 | 1,446 | 9.9% | 20 | 56.2% | 4.8% |
| Summit | 1,107 | 7.2% | 28 | 780 | 7.7% | 25 | 41.9% | 52.2% |
| Tooele | 3,012 | 11.5% | 20 | 1,955 | 7.6% | 26 | 54.1% | 2.2% |
| Uintah | 4,127 | 18.7% | 5 | 2,671 | 13.1% | 11 | 54.5% | 8.3% |
| Utah | 39,100 | 15.4% | 9 | 32,435 | 15.4% | 6 | 20.5% | 20.9% |
| Wasatch | 790 | 7.9% | 26 | 844 | 10.0% | 19 | -6.4% | 18.4% |
| Washington | 6,390 | 13.3% | 19 | 4,045 | 15.8% | 5 | 58.0% | 86.3% |
| Wayne | 353 | 16.4% | 7 | 426 | 22.3% | 2 | -17.1% | 13.9% |
| Weber | 15,751 | 10.1% | 23 | 12,928 | 9.1% | 21 | 21.8% | 9.5% |

Source: U.S. Bureau of the Census.

Notes: Poverty status is detmined for all persons except institutionalized persons, persons in military quarters, college dormitories and unrelated individuals under 15 years old.

The Provo-Orem Metropolitan Statistical Area (MSA) is Utah county; the Salt Lake-Ogden MSA includes Salt Lake, Davis, and Weber Counties.

Figure 62 1989 Poverty Rates for Persons Utah Counties



Source: U.S. Bureau of the Census

Table 73

Educational Attainment and Labor Force Participation 1980 and 1990

State of Utah, Metropolitan Statistical Areas, and Counties

| | High School | Graduate | and Higher | | Bachelor's | s | Labo | r Force P | articipation | Rate |
|-------------------------|-------------|----------|------------|------|--------------------|---------------|-------|-----------|--------------|--------|
| Place | 1990 | Rank | 1980 | Rank | Degree & H 1990 | igher Rank | 1990 | Rank | 1980 | Rank |
| State of Utah | 85.1% | | 80.0% | *** | 22.3% | | 68.0% | | 64.3% | 20 W W |
| Provo- Orem MSA | 87.9% | | 82.7% | | 26.2% | | 64.1% | | 57.8% | *** |
| Salt Lake- Ogden MSA | 85.6% | | 80.5% | | 22.9% | *** | 70.4% | | 67.3% | |
| Beaver | 83.4% | 11 | 76.0% | 16 | 9.0% | 28 | 54.6% | 28 | 52.6% | 26 |
| Box Elder | 83.6% | 10 | 77.8% | 12 | 17.6% | 12 | 67.3% | 9 | 63.1% | 7 |
| Cache | 89.3% | 4 | 84.4% | 2 | 30.0% | 2 | 68.9% | 5 | 60.4% | 13 |
| Carbon | 74.3% | 27 | 65.8% | 28 | 12.5% | 20 | 59.0% | 24 | 59.8% | 14 |
| Daggett | 75.4% | 25 | 81.3% | 7 | 11.7% | 24 | 64.9% | 11 | 59.2% | 18 |
| Davis | 89.9% | 3 | 85.8% | 1 | 23.5% | 5 | 71.6% | 2 | 68.2% | 2 |
| Duchesne | 74.8% | 26 | 74.8% | 19 | 11.8% | 23 | 62.9% | 18 | 59.3% | 16 |
| Emery | 82.4% | 15 | 75.0% | 18 | 10.4% | 27 | 63.7% | 13 | 58.5% | 19 |
| Garfield | 79.9% | 21 | 72.5% | 24 | 15.0% | 17 | 61.9% | 19 | 55.1% | 24 |
| Grand | 79.9% | 20 | 73.5% | 23 | 15.4% | 15 | 63.4% | 16 | 66.6% | 4 |
| Iron | 85.8% | 6 | 83.3% | 5 | 21.9% | 6 | 63.7% | 15 | 63.0% | 8 |
| Juab | 77.3% | 23 | 74.5% | 20 | 8.8% | 29 | 65.5% | 10 | 57.1% | 21 |
| Kane | 82.5% | 13 | 81.0% | 8 | 11.8% | 22 | 60.9% | 21 | 55.9% | 23 |
| Millard | 84.9% | 8 | 77.4% | 14 | 15.9% | 13 | 63.7% | 14 | 59.4% | 15 |
| Morgan | 90.1% | 2 | 83.3% | 4 | 19.0% | 8 | 68.6% | 7 | 62.2% | 10 |
| Piute | 79.8% | 22 | 73.9% | 22 | 12.5% | 21 | 51.3% | 29 | 48.8% | 29 |
| Rich | 81.8% | 19 | 76.0% | 17 | 15.1% | 16 | 63.3% | 17 | 62.1% | 11 |
| Salt Lake | 85.3% | 7 | 80.3% | 9 | 23.8% | 4 | 70.8% | 3 | 67.9% | 3 |
| San Juan | 59.7% | 29 | 58.8% | 29 | 13.1% | 18 | 57.3% | 25 | 56.3% | 22 |
| Sanpete | 82.0% | 16 | 74.2% | 21 | 15.6% | 14 | 55.4% | 27 | 53.3% | 25 |
| Sevier | 81.9% | 18 | 77.4% | 15 | 12.6% | 19 | 59.8% | 22 | 59.3% | 17 |
| Summit | 91.6% | 1 | 83.9% | 3 | 32.9% | 1 | 75.0% | 1 | 70.5% | 1 |
| Tooele | 77.3% | 24 | 72.2% | 25 | 11.3% | 25 | 68.6% | 6 | 65.9% | 5 |
| Uintah | 73.7% | 28 | 69.5% | 27 | 11.2% | 26 | 61.2% | 20 | 61.0% | 12 |
| Utah | 87.9% | 5 | 82.7% | 6 | 26.2% | 3 | 64.1% | 12 | 57.8% | 20 |
| Wasatch | 83.2% | 12 | 78.0% | 11 | 18.5% | 9 | 69.7% | 4 | 62.3% | 9 |
| Washington | 84.5% | 9 | 79.8% | 10 | 17.7% | 11 | 55.5% | 26 | 52.3% | 27 |
| Wayne | 82.0% | 17 | 71.7% | 26 | 20.0% | 7 | 59.3% | 23 | 51.1% | 28 |
| Weber | 82.5% | 14 | 77.8% | 13 | 18.0% | 10 | 67.5% | 8 | 64.1% | 6 |

Sources: U.S. Bureau of the Census and the Utah Office of Planning and Budget.

Notes: 1980 Bachelor's degree attainment statistics are not available.

Education figures apply to persons 25 years and over. Labor force participation rates apply to persons 16 years and over.

The Provo-Orem Metropolitan Statistical Area (MSA) is Utah county; the Salt Lake-Ogden MSA includes Salt Lake, Davis and Weber counties.

Table 74

Educational Attainment, Income, Poverty, and Labor Force Participation Statistics
Utah's 50 Largest Cities, Towns, and Census Designated Places

| | | | | TILLER 1 | Dh -1 2 | Median | Median | Per | Poverty | Labor |
|------------------------|------------|------------|------|----------------------|--------------------|---------------------|----------|----------|-----------|---------------|
| | ĺ | | | High School | Bachelor's | Median Household | Family | Capita | Rate for | Force |
| | | D 1.7 | D1 | Graduate & Higher | Degree & Higher | Income | Income | Income | Persons | Participation |
| Place | County | Population | Rank | & riighei | & riighei | псоше | income | monie | 1 0130113 | rarricipation |
| State of Utah | | 1722850 | | 85.1% | 22.3% | \$29,470 | \$33,246 | \$11,029 | 11.4% | 68.0% |
| American Fork | Utah | 15,696 | 22 | 83.6% | 20.1% | 29,624 | 31,851 | 8,620 | 8.1% | 65.5% |
| Bountiful | Davis | 36,659 | 10 | 91.6% | 30.5% | 38,346 | 41,917 | 14,399 | 4.9% | 67.1% |
| Brigham City | Box Elder | 15,644 | 23 | 84.1% | 22.2% | 33,784 | 37,181 | 11,819 | 6.8% | 64.9% |
| Canyon Rim CDP | Salt Lake | 10,527 | 38 | 88.7% | 31.4% | 33,284 | 37,926 | 13,786 | 4.5% | 65.6% |
| Cedar City | Iron | 13,443 | 30 | 88.7% | 26.8% | 23,415 | 28,758 | 8,960 | 17.5% | 65.8% |
| Centerville | Davis | 11,500 | 35 | 94.2% | 32.4% | 42,032 | 46,026 | 12,078 | 3.6% | 74.4% |
| Clearfield | Davis | 21,435 | 18 | 86.5% | 12.2% | 26,875 | 28,678 | 8,672 | 17.5% | 65.1% |
| Clinton | Davis | 7,945 | 45 | 90.8% | 15.7% | 37,230 | 37,365 | 9,739 | 5.0% | 78.7% |
| Cottonwood Hts. CDP | Salt Lake | 28,776 | 14 | 93.2% | 35.4% | 43,429 | 46,261 | 15,273 | 4.6% | 77.5% |
| Cottonwood West CDP | Salt Lake | 17,476 | 21 | 92.0% | 29.3% | 33,750 | 37,700 | 16,373 | 6.4% | 67.0% |
| Draper | Salt Lake | 7,257 | 48 | 77.7% | 11.6% | 32,357 | 33,846 | 10,051 | 7.9% | 39.5% |
| East Millcreek CDP | Salt Lake | 21,184 | 19 | 93.7% | 40.8% | 37,257 | 43,371 | 15,919 | 3.8% | 62.1% |
| Farmington | Davis | 9,028 | 41 | 93.6% | 37.2% | 45,000 | 48,233 | 12,392 | 2.9% | 68.5% |
| Holladay-Cottnwd. CDP | Salt Lake | 14,095 | 24 | 94.0% | 39.2% | 39,667 | 47,321 | 19,358 | 5.2% | 66.0% |
| Kaysville | Davis | 13,961 | 25 | 93.4% | 33.9% | 39,221 | 41,687 | 11,142 | 5.4% | 69.3% |
| Kearns CDP | Salt Lake | 28,374 | 16 | 77.1% | 7.8% | 28,509 | 29,242 | 8,008 | 11.3% | 72.0% |
| Layton | Davis | 41,784 | 9 | 88.2% | 19.7% | 34,466 | 37,118 | 11,545 | 7.1% | 75.5% |
| Lehi | Utah | 8,475 | 43 | 81.9% | 11.6% | 29,184 | 31,655 | 8,713 | 6.8% | 68.1% |
| Logan | Cache | 32,762 | 11 | 90.4% | 36.8% | 21,312 | 26,178 | 9,394 | 21.6% | 67.0% |
| Magna CDP | Salt Lake | 17,829 | 20 | 77.0% | 8.0% | 27,691 | 29,437 | 8,773 | 11.0% | 71.2% |
| Midvale | Salt Lake | 11,886 | 33 | 73.7% | 13.2% | 21,183 | 23,681 | 9,631 | 20.7% | 68.9% |
| Millcreek CDP | Salt Lake | 32,230 | 12 | 82.0% | 20.9% | 23,709 | 26,469 | 11,819 | 14.6% | 69.1% |
| Mt. Olympus CDP | Salt Lake | 7,413 | 47 | 97.4% | 54.2% | 60,259 | 63,046 | 25,337 | 1.1% | 64.2% |
| Murray | Salt Lake | 31,282 | 13 | 84.2% | 20.4% | 28,950 | 33,504 | 13,216 | 8.0% | 71.2% |
| North Ogden | Weber | 11,668 | 34 | 93.7% | 31.2% | 41,178 | 42,294 | 11,895 | 2.9% | 71.4% |
| Ogden | Weber | 63,909 | 6 | 75.1% | 16.2% | 23,487 | 28,649 | 10,754 | 16.8% | 62.8% |
| Oquirrh CDP | Salt Lake | 7,593 | 46 | 89.0% | 11.2% | 32,007 | 32,411 | 8,228 | 7.9% | 84.4% |
| Orem | Utah | 67,561 | 5 | 90.0% | 30.4% | 31,262 | 33,459 | 9,726 | 9.0% | 67.8% |
| Payson | Utah | 9,510 | 40 | 81.5% | 11.3% | 25,225 | 26,447 | 7,670 | 11.2% | 65.8% |
| Pleasant Grove | Utah | 13,476 | 29 | 86.1% | 20.5% | 31,633 | 33,097 | 8,852 | 8.5% | 67.5% |
| Price | Carbon | 8,712 | 42 | 78.2% | 15.9% | 26,084 | 32,170 | 10,070 | 18.6% | 61.9% |
| Provo | Utah | 86,835 | 3 | 89.8% | 34.5% | 21,162 | 23,127 | 8,408 | 29.6% | 60.3% |
| Riverton | Salt Lake | 11,261 | 37 | 88.7% | 14.7% | 36,242 | 37,127 | 9,391 | 4.5% | 75.0% |
| Roy | Weber | 24,603 | 17 | 88.7% | 15.6% | 35,018 | 37,446 | 11,602 | 4.4% | 74.9% |
| Salt Lake City | Salt Lake | 159,936 | 1 | 83.0% | 30.4% | 22,697 | 29,697 | 13,482 | 16.4% | 65.3% |
| Sandy City | Salt Lake | 75,270 | 4 | 93.1% | 29.4% | 43,971 | 45,611 | 12,840 | 4.2% | 75.5% |
| South Jordan | Salt Lake | 12,218 | 31 | 90.9% | 22.9% | 43,804 | 45,205 | 10,626 | 3.2% | 73.2% |
| South Ogden | Weber | 12,105 | 32 | 87.2% | 25.2% | 33,524 | 37,023 | 14,031 | 7.4% | 66.4% |
| South Salt Lake | Salt Lake | 10,129 | 39 | 72.7% | 9.6% | 18,627 | 24,212 | 10,034 | 17.2% | 69.6% |
| Spanish Fork | Utah | 11,272 | 36 | 85.1% | 13.0% | 29,023 | 31,875 | 8,780 | 7.5% | 66.1% |
| Springville | Utah | 13,950 | 26 | 85.5% | 19.3% | 25,341 | 28,303 | 9,512 | 13.0% | 63.3% |
| St. George | Washington | 28,502 | 15 | 86.3% | 19.9% | 25,947 | 29,802 | 10,520 | 12.7% | 56.5% |
| Taylorsville-Benn. CDP | Salt Lake | 52,351 | 7 | 86.7% | 15.5% | 32,866 | 35,842 | 10,780 | 6.2% | 77.7% |
| Tooele | Tooele | 13,887 | 27 | 77.3% | 11.2% | 29,784 | 33,389 | 11,090 | 11.9% | 64.4% |
| Union CDP | Salt Lake | 13,684 | 28 | 88.0% | 23.9% | 31,271 | 33,969 | 12,796 | 7.1% | 75.3% |
| Vernal | Uintah | 6,644 | 49 | 76.3% | 12.9% | 21,793 | 26,855 | 9,649 | 17.2% | 60.9% |
| Washington Terrace | Weber | 8,189 | 44 | 82.5% | 13.0% | 28,330 | 31,880 | 11,070 | 9.9% | 64.1% |
| West Jordan | Salt Lake | 42,912 | 8 | 86.3% | 15.9% | 33,273 | 35,230 | 9,434 | 7.0% | 77.9% |
| West Valley City | Salt Lake | 86,976 | 2 | 79.7% | 11.6% | 29,510 | 31,238 | 9,511 | 11.5% | 76.1% |
| White City CDP | Salt Lake | 6,506 | 50 | 82.7% | 11.8% | 33,715 | 34,899 | 9,757 | 7.1% | 75.5% |
| , | | | | | L | | | | | |

Sources: U.S. Bureau of the Census and Utah Office of Planning and Budget. Notes: About 76% of Utah's population reside in these 50 largest cities, towns, and CDPs.

A Census Designated Place is an unincorporated area of the county geographically defined and named by the Bureau of the Census. Income and poverty figures are for 1989. Population, education and labor force statistics are for 1990.

Education figures apply to persons 25 years and over. Labor force participation rates apply to persons 16 years and over.

BUSINESS AND HOUSEHOLD TAX BURDEN

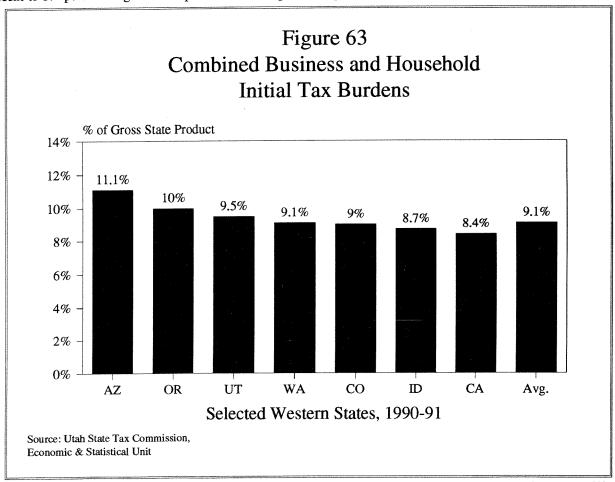
Overview

A comparison of overall household and business tax burden among seven western states in fiscal year 1991 reveals that these tax burdens range from 8.4 percent of gross state product to 11.1 percent. The seven western states compared for the overall tax burden, the business tax burden and the household tax burden were Arizona, California, Colorado, Idaho, Oregon, Utah and Washington. While the heaviest overall tax burden was found in Arizona, and the heaviest business tax burdens were found in Arizona and Washington, fairly heavy household tax burdens were seen in Utah, Arizona and Oregon. Table 75 summarizes the comparison.

Because Arizona's direct taxes on businesses were also the highest in the west, its overall major state and local tax burden ranked was the largest of the seven western states at 11.1 percent of gross state product (Figure 63). Both household and business tax burdens rose about 1/2 of a percent in Arizona over the past two years (although some of the increase may be due to calculation differences). Its business tax burden surpassed Washington, which was the largest for the past ten years.

In contrast to Arizona, California's recession and relatively stagnant growth from property taxes due to Proposition 13 dropped its combined tax burden to only 8.4 percent of gross state product, the lowest among the seven western states that were studied. At 2.7 percent of gross state product, California's tax burden on business was the lowest among these comparable western states.

At 10.1 percent of gross state product, Oregon had the second largest overall state and local tax burden among the seven western states that were studied. Its household tax burden has risen from 6.9 percent of personal income in fiscal year 1985 to 7.7 percent in fiscal year 1991. Over the same six-year period, business taxes fell from 3.6 percent to 3.4 percent of gross state product, offsetting the rising household tax burden.



Utah took third place in the west for the combined business and household tax burdens at 9.5 percent of gross state product. Its household tax burden, which had been first in the west from fiscal year 1985 to fiscal year 1989, remained first, but by less than 1/10 of a percent. This was due to the following Executive and Legislative Branch actions which lowered household taxes from 7.9 percent to 7.7 percent of personal income:

- Personal income taxes were cut after Utah's 1987 Tax Reform brought in more funds than expected.
- Property tax revenue rose only 9.4 percent over two years due to stagnant property values and leveling tax rates due to the "Truth-in Taxation" law.
- Utah's business tax burden has steadily slipped from 4 percent of GSP in fiscal year 1985 to 3.35 percent in fiscal year 1991.

Washington maintained the lowest direct household tax burden in the west at only 5.7 percent of personal income in fiscal year 1991. And its business tax burden fell to second in the west, moving its overall tax burden (9.1 percent of GSP) into fourth place.

Colorado's and Idaho's overall state and local tax burdens decreased since fiscal year 1989 due to falling direct business taxes as a percent of gross state product. Their household tax burdens remained surprisingly constant over the past two years. Colorado's direct taxes on business fell from 3.6 percent of gross state product in fiscal year 1985 and fiscal year 1989 to 3.3 percent in fiscal year 1991. Idaho's business tax burden fell over 1/2 of 1 percent to below 3 percent of gross state product (sixth place)

Business Tax Burdens

Results from the fiscal year 1991 survey of initial business tax burdens revealed that Arizona's business tax shot up to first place over the last two years. Previously Arizona's business tax burden was slightly less than Washington's. Both of these states had significantly higher business tax burdens than the five other states (Figure 64). Arizona's high ranking (4.5 percent of gross state product) stems from its heavy reliance on business property taxes. Significantly higher property tax assessment ratios for business appear to be the main factor in Arizona's heavy business tax burden. Washington's high business tax burden (4.2 percent of gross state product) is due to its use of a low-rate tax on gross income (instead of a net income tax), called the Business and Occupation Tax. Also, business pays a substantial share of Washington's high sales tax, due to the state's sales tax rate and sales tax on construction labor, materials and equipment purchases.

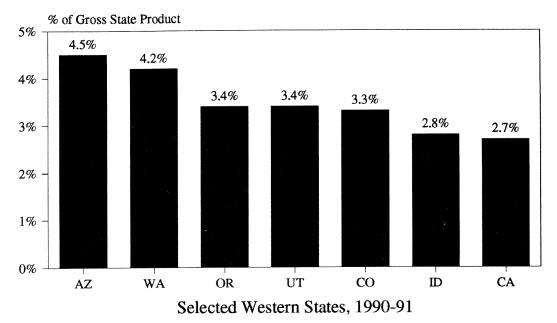
The business tax burden of Colorado, Utah, and Oregon clustered between 3.2 percent and 3.4 percent. <u>Statistically, there is no real difference between these states' initial tax burden on business.</u> This clustering represents a reasonable range within which all states seem to be economically competitive from a business tax standpoint.

The lowest tier of business tax burden states included Idaho and California. Idaho's business tax burden fell from 3.4 percent of GSP to 2.8 percent of GSP since fiscal year 1989. Idaho corporate net income taxes actually fell from \$73 million to \$60 million in the last two years. In addition, business property and sales taxes rose only 15 percent in Idaho, despite a 21 percent gain in personal income.

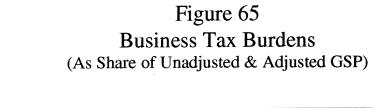
Because of the 12 percent drop in California's corporate profits, the 10 percent decline in unemployment insurance taxes and the modest 7 percent gain in business property taxes, that state's business tax burden dropped from 3.1 percent of GSP to 2.7 percent of GSP.

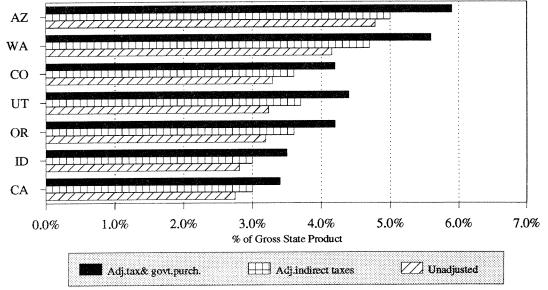
California's last place finish in the west for business tax burdens deserves a word of explanation. This study focused on only one major tax burden levied initially on business. Workers' compensation payments and fees have become a growing part of California's funding structure over the last two decades. Workers' compensation payments in California probably were more than \$5 billion in 1990. Adding workers compensation payments (1988 payments were the latest information available) to initial business taxes moves the California business tax burden slightly ahead of Idaho's, but still next to last. Utah's light workers' compensation burden moved it from fourth place to fifth.

Figure 64 Business Tax Burdens (Initial Direct Taxes as a % of GSP)



Source: Utah State Tax Commission, Economic & Statistical Unit





Source: Utah State Tax Commission, Economic & Statistical Unit In summary, three states reduced their business tax burdens significantly (by more than 0.1 percent of gross state product) between fiscal years 1989 and 1991:

- California's business tax burden dropped about 0.4 percent of GSP, amounting to a savings of \$2.8 billion.
- Idaho's burden also fell by about 0.6 percent, saving business almost \$100 million.
- Utah reduced its rate by 0.2 percent of GSP, saving its businesses \$55 million.

In contrast, Arizona's initial tax burden on business rose by 0.3 percent of GSP, increasing business taxes by \$220 million. It is important to note that over half of this increase was due to the estimate that 57 percent (previously 54 percent) of property taxes were initially paid by business. Prior estimates of property taxes excluded the vehicle license tax, which undoubtedly distorts the comparison.

Figure 65 illustrates the impact of subtracting indirect business taxes from gross state product in order to arrive at what some economists see as a more pure measure of the business tax burden. The differences are almost not ascertainable, however. In addition, government services were also deducted from gross state product in order to measure the business tax burden against the private sector. Again, most of the comparative rankings held. By further reducing government services from the base, Utah's ranking moved up, since the federal government plays a major landowner and defense role. At 4.42 percent of adjusted gross state product, Utah's adjusted business tax burden ranking moved from fourth place to third place; however, it still fell in a second tier along with Colorado (4.24 percent) and Oregon (4.16 percent), well below the heavily business taxed states of Arizona (5.9 percent) and Washington (5.6 percent). Idaho and California still remained in a third tier, slightly above 3 percent of the adjusted gross state product.

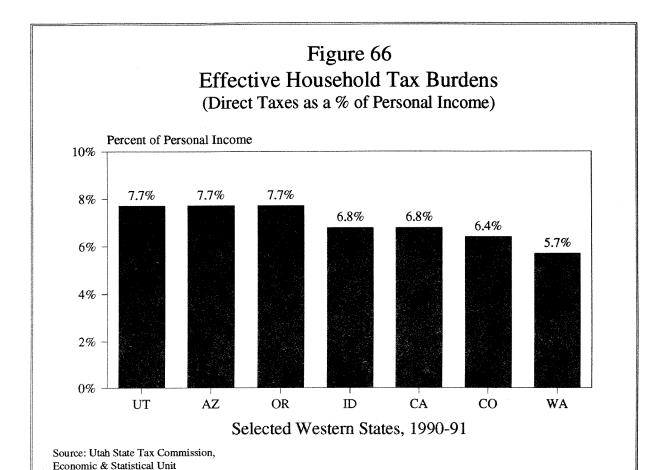
Household Tax Burdens

At 7.7 percent of personal income, Utah (7.71), Arizona (7.67) and Oregon (7.66) ranked first, second and third, respectively for the highest direct household taxes among the seven western states (Figure 66). Given the assumptions that were necessary in this study, there may be no significant difference between the household tax burdens of these three states.

Rising home values and declining property tax relief lifted Oregon's household tax burden over the past two years. Oregon's individual income tax rose only 17 percent in two years, slower than its personal income growth of almost 20 percent between 1988 and 1990. In contrast to rising household tax burdens in Oregon and Arizona, Utah direct household taxes fell from 7.9 percent of personal income in fiscal year 1989 to 7.7 percent in fiscal year 1991. This was partly accomplished by reinstating one-half of its federal income tax deduction and lowering its personal income tax rates by 2/10 of a percent. In addition, as Utah rebounded from its 1986-88 recession in 1989 and 1990, its personal income grew 17 percent. At the same time, household taxes only rose 15.7 percent.

Arizona's household tax burden rose from 7.1 percent of personal income in fiscal year 1989 to 7.67 percent in fiscal year 1991. While income and sales taxes did not rise as fast as personal income growth of 12.8 percent over two years, the property tax on households jumped more than 16 percent. To some extent, the differing burden may be due to different methods of calculating property tax between the two studies.

Household tax burdens were just under 7 percent of personal income in Idaho and California, whose effective household tax rates were both about 6.8 percent. While Idaho's household tax burden was roughly constant between fiscal year 1989 and fiscal year 1991, California's tax burden on households dropped a significant 0.3 percent as its recession impacted personal income taxes. Despite a 16.4 percent personal income growth between 1988 and 1990, California's personal income taxes rose only 6 percent. Similarly, its inelastic property tax system only rose 6.7 percent in the same time period. Sixth place again goes to Colorado. Colorado's effective household tax burden has edged upwards over the past six years. Household tax rose slightly from 6.2 percent in fiscal year 1985 to 6.3 percent in fiscal year 1989 and then almost to 6.4 percent in fiscal year 1991. More than offsetting Colorado's



relatively flat household property taxes (up 1.7 percent) was the 34 percent jump in state and local sales taxes over the past two years. Personal income taxes grew 2 percent less than the 15 percent gain in personal income.

Washington's reliance on the Business and Occupation Tax, instead of a combination of personal and corporate income taxes, continued to pull down its direct household tax burden into last place. However, its 5.7 percent effective household tax rate was about 0.6 percent higher than it was in fiscal year 1985. This amounts to tax and base increases of almost \$547 million compared to six years ago. Since fiscal year 1989, direct household taxes rose over 23 percent, about 3 percent faster than the 20 percent growth in personal income. In contrast, direct taxes on business only grew about 8 percent in the past two years.

Utah Tax Effort and Capacity, Fiscal Year 1991

The U.S. Advisory Commission on Intergovernmental Relations (ACIR) annually calculates under its "Representative Tax System" tax capacities and tax efforts for the 50 states. However, these calculations ignore the fact that businesses and households often pay differing amounts or have differing abilities to pay within a given state.

By using an average share of gross state product for business taxes and of personal income for household taxes, consideration is given to the households' or businesses' ability to pay. In addition, this method does not confine the analysis to just the variation in tax rates. It takes a broader approach by assuming that "average" includes both the tax base and the tax rate. For example, Washington, which periodically eyes the personal income tax as a possible addition to its sources of revenue, could consider Idaho's personal income tax (base and rate), since Idaho's income tax revenues as a percent of income were very close to the western state average. Washington could, therefore, review the impact of adopting Idaho's personal income tax statutes to achieve the desired amount of revenue. Under this method, analysts must consider not only the tax rate differential, but also the extent and breadth of the tax base.

Figure 67 illustrates Utah's tax capacity with its tax effort for the seven western states. Personal or household taxes are listed above the corporate or business taxes.

Utah's tax effort and capacity is very close to the average of the seven western states. In addition, the variation for each type of tax appears smaller for Utah than the other states. However, there is a distinct difference between who pays greater or lesser than average. Utah household taxes were about \$83 million higher than average, while Utah businesses paid about \$81 million less than the seven western state average.

Most of the extra household effort can be isolated to the sales tax. This extra effort of \$131 million is very close to the amount collected by taxing non-prepared food, a tax which has come up for removal under two referendums over the past 20 years. Household property taxes were \$76 million lower than Utah's capacity.

The two halves of the lower-than-average business tax effort were found in Utah corporate franchise taxes (\$41 million) and property taxes on businesses (\$40 millions). These findings dovetail with the findings of Price / Waterhouse whose "Evaluation of Utah's Business Tax Competitiveness" study [1989] indicated that Utah business taxes were relatively low:

Tax burdens on business investment are generally favorable in Utah compared with neighboring states. Relatively low property taxes and corporate income taxes are the two factors that lead to this result. Thus, the current business climate is a positive factor supporting investment in the State of Utah.

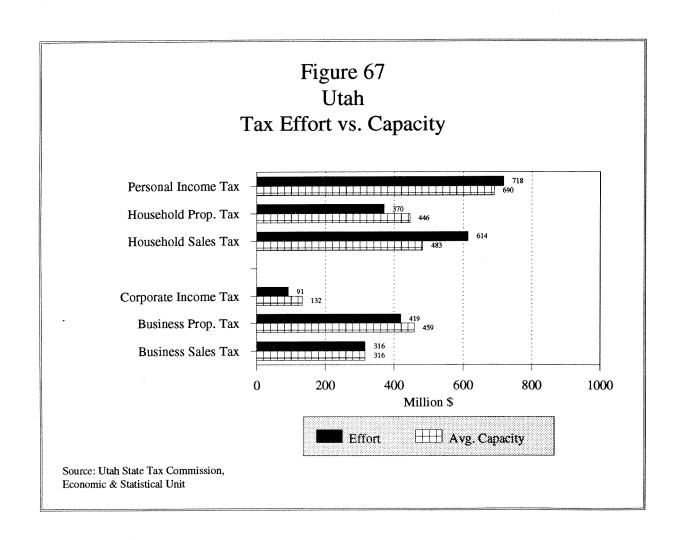


Table 75

Business and Household Initial State and Local Tax Burdens
Fiscal Year 1991

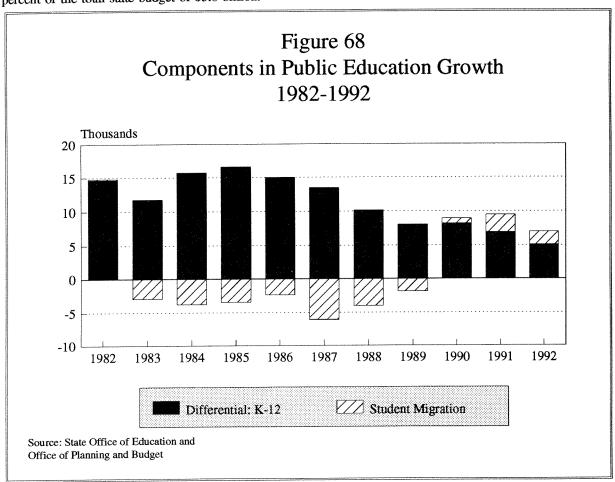
| · | Personal Income (\$Millions) | No. of Households (000) | Household Income | Gross State Product (\$Millions) | Household Taxes % of Income | Rank | Business Taxes % of GSP | Rank | Total Taxes % of GSP | Rank |
|------------|------------------------------------|-------------------------------|---------------------|--|-----------------------------------|------|-------------------------------|------|----------------------------|------|
| Arizona | \$58,946 | 1,369 | \$43,058 | \$69,159 | 7.67% | 7 | 4.51% | | 11.05% | |
| California | \$619,381 | 10,381 | \$59,665 | \$748,987 | 6.79% | ĸ | 2.74% | 7 | 8.36% | 7 |
| Colorado | \$62,378 | 1,282 | \$48,657 | \$70,813 | 6.42% | 9 | 3.29% | т | 8.95% | 5 |
| Idaho | \$15,423 | 361 | \$42,723 | \$17,810 | 6.83% | 4 | 2.81% | 9 | 8.72% | 9 |
| Oregon | \$49,198 | 1,103 | \$44,604 | \$56,444 | 7.66% | æ | 3.37% | so | 10.04% | 2 |
| Utah | \$24,199 | 573 | \$42,232 | \$30,555 | 7.71% | П | 3.35% | 4 | 9.46% | 3 |
| Washington | \$92,174 | 1,872 | \$49,238 | \$105,086 | 5.68% | 7 | 4.15% | 2 | 9.14% | 4 |
| Average | | | \$47,168 | | 6.97% | | 3.46% | : | 9.39% | |

Source: Utah State Tax Commission.

PUBLIC AND HIGHER EDUCATION ENROLLMENT

The public and higher educational systems and the economy of the State of Utah have an interdependent relationship. Enormous financial resources are needed yearly to fund the educational systems in Utah, and consequently have a significant impact on the current and future economic vitality of the state. This special chapter has been organized to illustrate the challenges of the public and higher education systems in the State of Utah. The intention of this chapter is to present a brief overview of what has occurred in public and higher education enrollment during the last decade, along with what is likely to happen in the next decade. It is not the intent of this chapter to offer a comparison of the education systems of Utah, but rather to better characterize what is entailed in providing educational services to over 1/2 million persons per year. Given the investment made in education, it is important that there is a clear understanding of the impact education has in this state.

The demands placed on the state by the educational needs of its residents cannot be underestimated. Collectively, the education systems of public and higher education directly were serving over 560,000 persons in the State of Utah in fall 1992. In other words, almost 1/3 of the entire population in the state was in one of the two educational systems. The enrollment count included over 461,000 in the public education system, and 99,000 in higher education (Table 76). Education expenditures for fiscal year 1992 totalled over \$1.7 billion. This amount accounts for over 47 percent of the total state budget of \$3.8 billion.



Public Education

The public education system has experienced strong growth in the last decade. The system has increased by almost 92,000, a 25 percent increase. Enrollment growth is achieved two ways: in-migration into the area; and the difference between those entering the system (kindergarten) and those leaving (12th graders graduating). Figure 68

illustrates the fact that the overriding reason for the magnitude of the growth was the 'grade differential.' This differential is the difference between number of 12th graders graduating and kindergartners entering the system.

For a number of years in the 1980s, entering kindergartners totalled thousands more than the 12th graders leaving the system, thus creating the substantial growth. The large number of kindergartners was due to a combination of high fertility rates, net in-migration and the larger number of 'baby boomer' women in the child-bearing years. Table 77 shows the differences of kindergarten and 12th grade for the last ten years.

Table 77 also shows that births, as translated into kindergartners five years later, have been leveling off for the past five years. As these children move through the education system, the differential between kids leaving and entering the system is narrowing.

In the past public education has continued to experience significant growth even during periods of economic downturns in the state. This growth was due to the demographic differences between 12th graders and kindergartners. However, with the leveling off of the differential, any growth in the public education system becomes very closely tied with the economic well-being (i.e., net in-migration) of the state. If Utah does not experience substantial net in-migration in the mid- 1990s, public education total enrollment may actually decline for a short period.

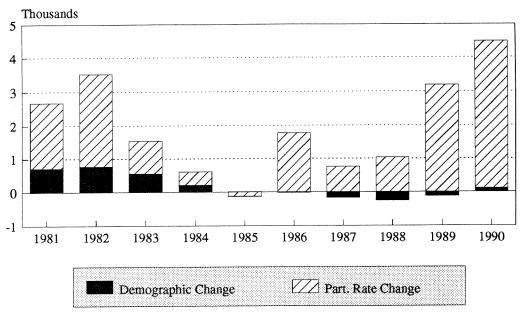
Higher Education

The last ten years have seen unprecedented growth in Utah's higher education system. Enrollment (fall headcount) increased by almost 50 percent, from 67,400 in Fall 1982 to 99,000 in Fall 1992. At the same time, the state's 18-34 year old population grew by only 3 percent. Clearly, something more than ordinary population growth caused the enrollment increase. The age group 18-34 years old was used as representative of the population 'at risk', given that the age group has historically captured approximately 85 percent of those enrolled in the system. Figure 69 presents a comparison of enrollment vs. population growth rates.

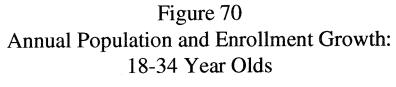
Participation rates (enrolled persons as a percent of total population) increases were the primary explanation. In fact, participation rates increase explains almost the entire enrollment increase in higher education. Figure 70 presents a breakdown of the causes for enrollment growth. Although the largest increase was in female rates (50 percent), male enrollment rates also increased by almost 20 percent. It should be emphasized that the increases in rates are the increase, not the actual rates themselves. A 50 percent increase in female rates does not imply that 50 percent of females 18-34 are attending colleges, but rather the rates increased from 9 percent to 13.5 percent.

The population projections for the 1990s indicates that the 18-34 years old age group will increase at more than three times the rate of the 1980s (12.0 percent vs 3.4 percent). Assuming a 1991 constant (i.e., not increasing) enrollment participation rate, which is not likely, the demographic impact alone would be approximately 12,000 additional students ages 18 to 34 in the 1990s. The greater consideration in forecasting higher education enrollment involves the making of assumptions regarding enrollment participation rates changes. A number of variables could influence such changes. The relevant issues include, but are not limited to, employment opportunities, job retraining, limiting of admissions to institutions, entrance requirements, tuition increases, college loan availability, condition of the economy, availability of programs at institutions, and facility locations.

Figure 69 Enrollment Growth Components: 18-34 Year Olds



Source: Commissioner of Higher Education and Office of Planning and Budget



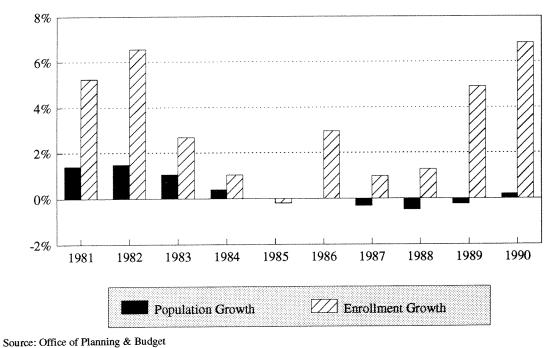


Table 76
Enrollment in Utah's Education System

| Fall | Public Education Count | Percent Change | Higher Education Count | Percent Change |
|--|---|--|--|--|
| 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 | 354,540 369,338 378,208 390,141 403,305 415,994 423,386 429,551 435,762 444,732 454,218 | 4.2% 2.4% 3.2% 3.4% 3.1% 1.8% 1.5% 1.4% 2.1% | 63,450 67,414 70,908 70,215 71,553 73,950 76,126 75,999 81,162 87,628 94,924 | 6.2% 5.2% -1.0% 1.9% 3.3% 2.9% -0.2% 6.8% 8.0% 8.3% |
| 1992 | 461,259 | 1.6% | 99,163 | 4.5% |

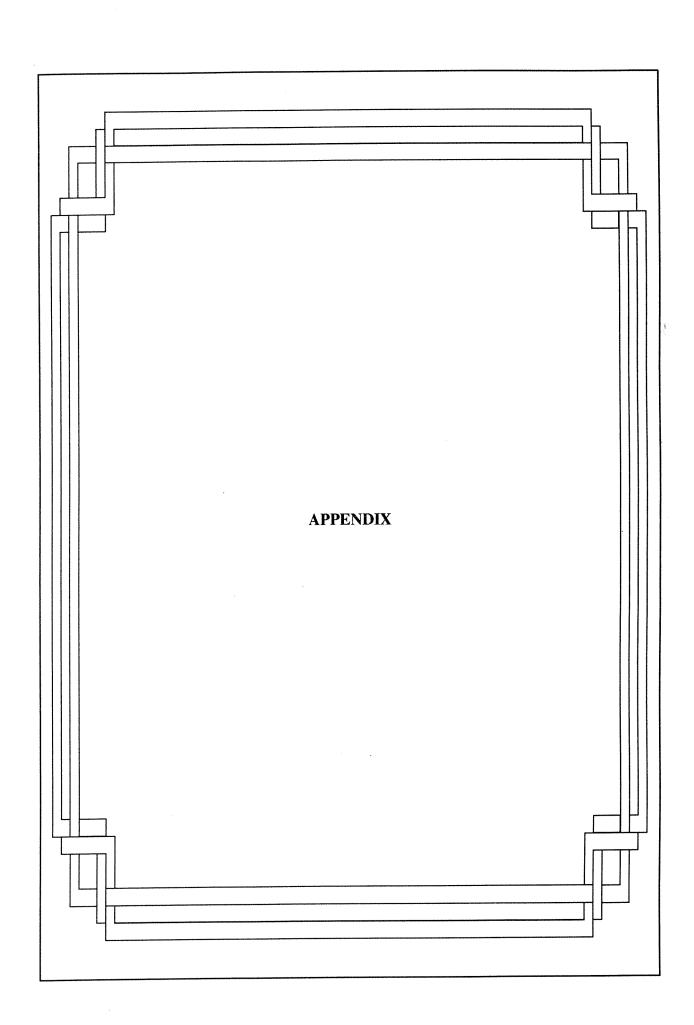
Table 77
Utah Births, Kindergarten Enrollment, and 12th Grade Enrollment

| Birth Year | Births | Enrollment Year | Kindergarten (K) Enrollment | 12th Grade Enrollment | Difference: K (Yr 2) - 12th Gr (Yr 1) |
|---------------|--------|--------------------|--------------------------------|-----------------------------|---------------------------------------|
| 1976 | 33,773 | 1981 | | 21,784 | |
| 1977 | 36,709 | 1982 | 36,429 | 21,877 | 14,645 |
| 1978 | 38,265 | 1983 | 33,645 | 21,901 | 11,768 |
| 1979 | 40,134 | 1984 | 37,601 | 22,132 | 15,700 |
| 1980 | 41,591 | 1985 | 38,731 | 22,453 | 16,599 |
| 1981 | 41,511 | 1986 | 37,466 | 23,782 | 15,013 |
| 1982 | 41,774 | 1987 | 37,235 | 25,076 | 13,453 |
| 1983 | 40,557 | 1988 | 35,242 | 25,911 | 10,166 |
| 1984 | 38,643 | 1989 | 33,991 | 24,971 | 8,080 |
| 1985 | 37,508 | 1990 | 33,166 | 26,263 | 8,195 |
| 1986 | 37,145 | 1991 | 33,193 | 27,575 | 6,930 |
| 1987 | 35,469 | 1992 | 32,652 | 28,775 | 5,077 |
| 1988 | 35,648 | | | | |
| 1989 | 35,549 | | | | |
| 1990 | 35,569 | | | | |
| 1991 | 36,312 | | | | |

Sources: Utah Division of Vital Records.

State Office of Education.

Demographic & Economic Analysis, Office of Planning & Budget.



SELECT PUBLICATIONS OF THE ORGANIZATIONS COMPRISING THE STATE ECONOMIC COORDINATING COMMITTEE*

Utah Office of Planning and Budget 116 State Capitol, S.L.C., Ut. 84114 (801) 538-1036

Regular Reports

Economic Report to the Governor (Annually)

Economic and Demographic Projections Report (Biennially)

Executive Budget (Annually)

Governor's Summary of Legislative Action (Annually)

State Planning Report (Annually)

Utah Data Guide (Quarterly)

Utah Demographic Report (Annually)

Utah Economic and Demographic Profiles (Annually)

Utah Economic and Demographic Projections (Triennially)

Utah Planning Newsletter (Quarterly)

Special Reports

1990 Census Brief: Cities and Counties of Utah 1990 Census Brief: Income and Poverty in Utah

1990 Census Brief: Minorities of Utah

2002 Utah Winter Olympic Games: Preliminary Economic Impact Analysis Analysis of the Demand for Recreational Uses in the Wasatch Front Canyons

Federal Land Payments in Utah

Historic Analysis of Property Taxes 1989 Update

Initiative A: Fiscal Impacts of Removing the Sales Tax From Food (joint publication)

Issues of Fertility in Utah

Migration in Utah

Resident Population and Recreational/Seasonal Visitation Projections for a Portion of Wasatch County and the Francis/Woodland Area of Summit County

Rural Utah Tourism Report

Technical Report on the Economic Analysis of the Brighton Ski Area Master Plan

The Impact of Lake Powell Tourism on State and Local Tax Revenues

The Impact of Tax Limitation in Utah

The Value of the 1990 Census to Utah: An Examination of Federal and State Funds Distributed Based on Population Statistics

Utah State and Local Government Fiscal Benefit-Cost Model

Utah's Defense Economy

^{*}This list includes only the reports which are particularly relevant to the Economic Report to the Governor. To obtain a complete list of the publications of each agency or copies of reports, contact the appropriate agencies.

Utah Department of Community and Economic Development 324 South State, Suite 500, S.L.C., Ut. 84111 (801) 538-8700

Regular Reports

Legislative Report of the Permanent Community Impact Fund (Annually)

Legislative Report of the Utah Disaster Relief Board (Annually)

Small Cities Community Development Block Grant Program (Annually)

Utah Directory of Business and Industry (Annually)

Utah Export Directory (Annually)

Utah Facts (Annually)

Special Reports

Going Into Business in Utah Governor's Blueprint for Utah's Economic Future Poverty in Utah (Triennially) Utah's Rural Development Strategy

Utah Department of Employment Security 140 East 300 South, S.L.C., Ut. 84111 (801) 536-7400

Regular Reports

Annual Report of Labor Market Information
Employment, Wages and Reporting Units by Firm Size (Annually)
Labor Market Information (Quarterly, by District)
Occupations in Demand (Quarterly)
Utah Affirmative Action Information (Annually)
Utah Job Outlook for Occupations (Biennially)
Utah Labor Market Report (Monthly)

Special Reports

Utah Workforce 2000 Women in the Utah Labor Force

Utah State Tax Commission 160 East 300 South, S.L.C., Ut. 84134 (801) 530-6088

Regular Reports

Annual Report of the Utah State Tax Commission (Annually)
Gross Taxable Retail Sales and Purchases (Quarterly)
Hotel Sales, Room Rents and Transient Room Taxes in Utah (Annually)
New Car and Truck Sales (Quarterly)
Statistical Study of Assessed Valuations (Annually)
Utah Consumer Sentiment Index (Quarterly)
Utah Statistics of Income (Annually)

Special Reports

An Evaluation of Utah's Business Tax Competitiveness
Broadening the Base: An Evaluation of a Sales Tax on Services
Distribution of Local Sales Tax Revenue
Initial Tax Burdens on Business and Households in Ten Western States
Outlook for Utah's Defense Industry in the Post-Cold-War Era
Selected State Tax Rates in the U.S.
The Review of Sales and Use Tax Exemption for Manufacturing Machinery

Bureau of Economic and Business Research

University of Utah, S.L.C., Ut. 84112 (801) 581-6333

Regular Reports

Statistical Abstract of Utah (Triennially)

Utah Construction Report (Quarterly)

Utah Economic and Business Review (9 Per Year)

Special Reports

Great Salt Lake Mineral Royalties

The 1990-91 Utah Skier Survey, Final Report

The Brine Shrimp Industry of the Great Salt Lake

Utah's High Technology Directory

Division of Energy

3 Triad Center, Suite 450, S.L.C., Ut. 84180-1204 (801) 538-5428

Regular Reports

Data Source (Semiannually)

Utah Energy Statistical Abstract, 1990

First Security Bank Corporation

79 South Main, #201, P.O. Box 30006, S.L.C., Ut. 84111 (801) 350-5259

Regular Reports

Insights (Quarterly)

Local Index of Leading Economic Indicators (Monthly)

Wasatch Front Cost of Living Index (Monthly)

Utah Foundation

10 West 100 South, 323 Crandall Bldg., S.L.C., Ut. 84101 (801) 364-1837

Regular Reports

Research Briefs (Monthly)

Research Reports (Monthly)

Statistical Review of Government in Utah (Annually)

Special Reports

State and Local Government in Utah

(Textbook published approximately every five years with annual updates in Statistical Review of Government in Utah)

Utah State University

Economics Department, Logan, Ut. 84322-3530 (801) 750-2294

Perspectives (Quarterly)

Utah Geological Survey

2363 Foothill Dr., S.L.C., Ut. 84109-1491 (801) 467-7970

Survey Notes (Quarterly)